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On nucleic - nucleic search, using sw model

Run on: September 10, 2005, 17:58:51; Search time 1186 Seconds

10493.188 Million cell updates/sec

Title: US-09-559-013E-23
Perfect score: 1895
Sequence: 1 gtttagggcggttggatcc.....tgttgatcttcaaaaaaaaaa 1895

Scoring table: IDENTITY_NUC
Gapop 1.0 , Gapext 1.0

Searched: 7351250 seqs, 328362054 residues

Total number of hits satisfying chosen parameters: 14702500

Minimum DB seq length: 0

Maximum DB seq length: 20000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA:
Listed first 45 summaries

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21: /cgn2_6/prodata/2/pubpna/US10I_PUBCOMB.seq: *
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24: /cgn2_6/prodata/2/pubpna/US11I_NEW_PUB.seq: *
25: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq: *
26: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1895	100.0	1895	18 US-10-18-641A-23 Sequence 23, Appl
2	1886	99.5	1886	16 US-10-262-666-41 Sequence 41, Appl
3	1886	99.5	1886	17 US-10-085-117-53 Sequence 53, Appl
4	1881.8	99.3	1892	20 US-10-719-993-124 Sequence 124, Appl
5	1886.4	98.0	1899	10 US-09-746-783-77 Sequence 77, Appl
6	1811.2	95.6	1892	18 US-09-397-945-90 Sequence 90, Appl
7	1811.2	95.6	1892	18 US-10-653-595-90 Sequence 90, Appl

RESULT 1

; Sequence 23, Application US/10148641A
; Publication No. US20040086652A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Toshiro and Nakayama, Eiichi
; TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 100461_701312.US
; CURRENT APPLICATION NUMBER: US/10/148,641A
; CURRENT FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: US 09/559,013
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 60/168,353
; PRIOR FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 399
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: (49)...(1677)
; LOCATION: (49)...(1677)
; US-10-148-641A-23

Query Match Similarity 100 %; Score 1895; DB 18; Length 1895;
Best Local Similarity 100 %; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 1895; Conservative 0; Missmatches 0; Indels 0; Gaps 0;

QY 1 GTTAGAGGCCACTTGTCTGGGAGCGCGGAGTCCTCCGGCCATAGGAGAACCA 60
 Db 1 GTTAGAGGCCACTTGTCTGGGAGCGCGGAGTCCTCCGGCCATAGGAGAACCA 60
 QY 61 GCGCGTGGTTCCTTCCTTAACCTCTTGAAAGGAGCTGGGGGGAACTTCTCCGGCCATAGGAGAACCA 120
 Db 61 GCGCGTGGTTCCTTCCTTAACCTCTTGAAAGGAGCTGGGGGGAACTTCTCCGGCCATAGGAGAACCA 120
 QY 121 GCGCAGATTGACTCAGGCCACTCCAGGAGCCCTCTCTCTTGAA 180
 Db 121 GCGCAGATTGACTCAGGCCACTCCAGGAGCCCTCTCTTGAA 180
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 QY 241 ACCACAGGCCTCCGGGAACTCCAACTCTGAGGAGAGACTCTGCGCTCTGGA 300
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 QY 301 GTGCCCGATCTGCTCTCTCCAACTCTGAGGAGAGACTCTGCGCTCTGGA 360
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 QY 361 CAGTCTACTCTACCGTCTCCAACTCTGAGGAGAGACTCTGCGCTCTGTC 420
 Db 361 CAGTCTACTCTACCGTCTCCAACTCTGAGGAGAGACTCTGCGCTCTGTC 420
 QY 421 CAGCCAGTCTTATTCTCTCCTAACACTCTAACGAGATAAGCTTAGCTAAGTC 480
 Db 421 CAGCCAGTCTTATTCTCTCCTAACACTCTAACGAGATAAGCTTAGCTAAGTC 480
 QY 481 TCACCCACCGATGACTCCCAACTCTCACAGGACACCAGGACAGCCAGACC 540
 Db 481 TCACCCACCGATGACTCCCAACTCTCACAGGACACCAGGACAGCCAGACC 540
 QY 601 TTCCAGCCCCTGGCTGAGGCTCTCCAACTCTCACATCTCTCTG 600
 Db 601 TTCCAGCCCCTGGCTGAGGCTCTCCAACTCTCACATCTCTCTG 600
 QY 661 CAGGGCCGACAGAACACAAAGGGGAGGAGACAGGAGCTCACATCTCTG 720
 Db 661 CAGGGCCGACAGAACACAAAGGGGAGGAGACAGGAGCTCACATCTCTG 720
 QY 721 GACACGAAAGGAGGAAGCAGGAGAACAGGAGAACAGGAGAACAGGAG 780
 Db 721 GACACGAAAGGAGGAAGCAGGAGAACAGGAGAACAGGAGAACAGGAG 780
 QY 781 GTGTCTCAGCTGAGCACAGCTCAGAGCCCAAGTTCACTCTCATCTCAAC 840
 Db 781 GTGTCTCAGCTGAGCACAGCTCAGAGCCCAAGTTCACTCTCATCTCAAC 840
 QY 841 CCTTCTCTTGTCTCCCGTACAGAGTAGTCTACTCTGATGATGAAAC 900
 Db 841 CCTTCTCTTGTCTCCCGTACAGAGTAGTCTACTCTGATGATGAAAC 900
 QY 901 ATCCAGGAGCTTCTGATGAGGCCAGGAAATAGTGAATGAAATATGAG 960
 Db 901 ATCCAGGAGCTTCTGATGAGGCCAGGAAATAGTGAATGAAATATGAG 960
 QY 961 AACTCTACTCTGAGAACCCAAACCTGGAGCTCTCTGAGCTGCCCAACAGAGCC 1020
 Db 961 AACTCTACTCTGAGAACCCAAACCTGGAGCTCTCTGAGCTGCCCAACAGAGCC 1020
 QY 1021 TTGCTCTGCTGCTGCTTATTCTCTGAGATACTCTGCTCATACCCACAGCAAG 1080
 Db 1021 TTGCTCTGCTGCTTATTCTCTGAGATACTCTGCTCATACCCACAGCAAG 1080
 QY 1081 GCCTGGAAGTACATGGAGGAGATCTCTGTTGGAGACTCTGCGCTCTGACGCC 1140

RESULT 2
 US-10-262-666-41
 ; Sequence 41, Application US/10262666
 ; Publication No. US20030180298A1
 GENERAL INFORMATION:
 ; APPLICANT: Nakayama, Eiichi
 ; APPLICANT: Ono, Toshiro
 ; APPLICANT: Old, Lloyd J.
 ; APPLICANT: Hasegawa, Kosei
 ; APPLICANT: Matsushita, Hirokazu
 ; TITLE OF INVENTION: CANCER-TESTIS ANTIGENS
 ; FILE REFERENCE: L0041-70140
 ; CURRENT APPLICATION NUMBER: US/10/262,666
 ; CURRENT FILING DATE: 2002-10-01
 ; PRIOR APPLICATION NUMBER: PCT/US02/12497
 ; PRIORITY FILING DATE: 2002-04-19
 ; PRIORITY APPLICATION NUMBER: US 60/356,937

PRIOR FILING DATE: 2002-02-14
PRIOR APPLICATION NUMBER: US 60/285,343
PRIOR FILING DATE: 2001-04-20
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 41
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49)..(1680)
OTHER INFORMATION:
US-10-262-666-41

Query Match 99 %; Score 1886; DB 16; Length 1886;
Best Local Similarity 100.0%; Pred. No: 0; Mismatches: 0; Indels: 0; Gaps: 0;
Matches 1886; Conservative 0; Misconservative 0;

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Db 61 GCCCTGGCTTCCCTCCACTCTCTGAAGGTGGCTCTGCCTCTGACTCTGCCC 120
QY 121 GCGAGGATTCGACTCGCCCACTCGAGGAGCCCTCTCTACGAA 180
Db 121 GCGAGGATTCGACTCGCCCACTCGAGGAGCCCTCTCTACGAA 180
QY 181 CGCTCTCGACTCTGCACTCGCCACCTGGAGGAGACTCTGCGCTCGTGCA 240
Db 181 CGCTCTCGACTCTGCACTCGCCACCTGGAGGAGACTCTGCGCTCGTGCA 240
QY 241 ACCCAGGCTGCCGAATCCACACTCGTCAGCTCGAGCTCGACCTCGCTA 300
Db 241 ACCCAGGCTGCCGAATCCACACTCGTCAGCTCGAGCTCGACCTCGCTA 300
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Db 301 GTGCCGGAATCCACACTCGTCAGCTCGACCTCGCTA 360
QY 361 CAGTCACACTACCGTCTCACCGAGCTACTATGCCAAGAGACTCTGTGTC 420
Db 361 CAGTCACACTACCGTCTCACCGAGCTACTATGCCAAGAGACTCTGTGTC 420
QY 421 CAGCAGCTCTATCTCACCTAACCTCACCTCTAACGAGCTAACGAGCT 480
Db 421 CAGCAGCTCTATCTCACCTAACCTCACCTCTAACGAGCTAACGAGCT 480
QY 481 TCACCAACAGTACCTCCCATCTCACCCACTCACCTCACGAGCTAACGAGC 540
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QY 541 TTCCAGCCCTGGCTGAGAGCTACGAAACAGTGAAGACTCTACATCTCTG 600
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Db 721 GACAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
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Db 781 GTGCTCTGAGCTGAGACAGCTGAGAGCCAGTTCACTGAACTCTATCTAAC 840

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QY 1081 GCGTGGAGTACATGGGGAGGAGATCTTGTGTTCTGAGACTCTGGCTCTGAGCT 1140
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Db 1141 GGGGGCGAACAGTGTACTCTGCTCTGCTCTGACTCTGTGACTCTGTGCTCTGAGCT 1200
QY 1201 TGCCACTCAGAGGCCACCTGCAAGCTGAGCCATATGAAACACCGGCTTA 1260
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QY 1201 TGCCACTCAGAGGCCACCTGCAAGCTGAGCCATATGAAACACCGGCTTA 1260
Db 1261 GRCAGCCCTTCTGCTCCAGGCTGTCATCGCAACAGGGTGGCC 1320
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QY 1321 TCAAGCCCTTACGGCTGGATTACGGCTGGTTTACGGCTGGCTCACATGGACTCTGGTGCC 1380
Db 1321 TCAAGCCCTTACGGCTGGATTACGGCTGGTTTACGGCTGGCTCACATGGACTCTGGTGCC 1380
QY 1381 CGCTTGCACGAAAGSGTGTGAGAGTCTCGAGCTCTGGCTCCAGACTGAGTC 1440
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QY 1441 CTAGCTCTCAGATGGGATTCTCACCAGATGTTGACAGCTATCTGAC 1500
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QY 1501 CCAACTACTGTCTCTAACACCGAGCTGCTGTGAGAACCCCATCGAAAGTG 1560
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Db 1861 TGAATCTACATAAATGATCTTC 1886

RESULT 3
US-10-085-117-53
; Sequence 53, Application US/10085117
; Publication No. US2003023233A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 52942000121
; CURRENT FILING DATE: 2003-02-27
; PRIOR APPLICATION NUMBER: US 09/798, 586
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 53
; LENGTH: 1886
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-085-117-53

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Best Local Similarity 100.0%; Pred. No: 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	841 CCTTCCTTCTGTCCTCCCGGGTAGAGAGAGAGAGAGAGAGAGAGAGAGAG 900
Db	841 CCTTCCTTCTGTCCTCCCGGGTAGAGAGAGAGAGAGAGAGAGAGAGAGAG 900
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Qy	1021 TTGCTGTTGTTGTTCTATCGATGTTGGAATACTCATATAACCCCCACAGCCAG 1080
Db	1021 TTGCTGTTGTTGTTCTATCGATGTTGGAATACTCATATAACCCCCACAGCCAG 1080
Qy	1081 GCCTTGGAGCTACATGGAGGAGATCTCTGGCTCTGGACTCTGGCTCTGGCA 1140
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Qy	1141 GGCGGGGACACAGTCTTACCTGAGGAGGATCTCTGGCTCTGGACTCTGGCTCTGGCA 1200
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Qy	1181 CGCTTCTTCGACTCTGTAACCTGAGGAGGAGACTACTGGCTCTGGCA 1260
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Db	121 GCCCAGGATTGACTCAGGCCACTCCAGGCCACTCTCTCTACAGAA 180
Qy	121 GCCCAGGATTGACTCAGGCCACTCCAGGCCACTCTCTCTACAGAA 180
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Qy	1241 ACCCAGGGCTCCGGATCCACACTCTGTCAGCTGACCAATGAAACACOGCTA 300
Db	1241 ACCCAGGGCTCCGGATCCACACTCTGTCAGCTGACCAATGAAACACOGCTA 300
Qy	1301 GTGCCCGATGTTGCTCTCTCCACCTCTCCCTTATGCCCTCTGGTTGATCTTC 360
Db	1301 GTGCCCGATGTTGCTCTCTCCACCTCTCCCTTATGCCCTCTGGTTGATCTTC 360
Qy	1361 CAGTCACTACTACGTGTTCCAACAGCTCTACTATCCAGAGAGCTCTGGTTC 420
Db	1361 CAGTCACTACTACGTGTTCCAACAGCTCTACTATCCAGAGAGCTCTGGTTC 420
Qy	1421 CAGCCAGTCCTATTCTCACTAACCTCAAGGAGTAGAAGCTCTAGTGAGTC 480
Db	1421 CAGCCAGTCCTATTCTCACTAACCTCAAGGAGTAGAAGCTCTAGTGAGTC 480
Qy	1481 TCACCCACCAAGATGACCTCCCTACCTACCCACTCTCACGTCAGTGACAGCCAGACC 540
Db	1481 TCACCCACCAAGATGACCTCCCTACCTACCCACTCTCACGTCAGTGACAGCCAGACC 540
Qy	1541 TTCCACCCCTGCTGAGAGCTCAGAACACAGTGAAAGCTCTACATCTCTG 600
Db	1541 TTCCACCCCTGCTGAGAGCTCAGAACACAGTGAAAGCTCTACATCTCTG 600
Qy	1541 TTCCACCCCTGCTGAGAGCTCAGAACACAGTGAAAGCTCTACATCTCTG 600
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Qy	601 TCCCTGGAGCCAGGAAAGCCAGGAAAGCCAGAACAGGAGGAGGAGCAG 660
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Qy	661 CAGGAGCCACAGAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720

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Db 1801 TTGGTTGGCACAGTCACAGTCACAGGGGCACGGTGGAGCTGGCCCTCTTAAGA 1860
QY 1861 TGACTTTACATAAATGTGATCTTC 1886
Db 1861 TGACTTTACATAAATGTGATCTTC 1886

RESULT 4

; sequence 124, application US/10719993
; publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO: 124
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
; us-10-719-993-124

Query Match 99.3%; Score 1881.8; DB 20; Length 1892;
Best Local Similarity 99.6%; Pred No 0; DB 20; Length 1892;
Matches 1880; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

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Db 4 GTTAGAGCCGCTTGTCACACCGACCGGGGATCTTCGGCATGGAAAGCA 63

Qy 61 GCCTCTGGATCTTCCTCCTACTCTGAAGGTGCTCTGGCTCTGGACCTGGCCA 120
Db 64 GCGCTGCGTCCTCCCTRACTCTGAAGGTTGCTGCTGCGCC 123

Qy 121 GCCCGAGGATTCGACTTCAGCCCCACTCTGAAGGACGCCCTCTCTTACCGHATACAA 180
Db 124 GCGCTCTCGACATGACTCAGCCCTCACTTGGGAGCCGAGCTCCACCGATACAA 183

Qy 181 CGCTCTCGACATGACTCAGCCCTCACTTGGGAGCCGAGCTACGCTCCGTCGA 240
Db 184 CGCTCTCGACATGACTCAGCCCTCACTTGGGAGCCGAGCTACGCTCCGTCGA 243

Qy 241 ACCCACGGGTGCCGAATCCACAATCGTCAGTGGACCAATATGAAACCAAGGCTTA 300
Db 244 ACCCACGGGTGCCGAATCCACAATCGTCAGTGGACCAATATGAAACCAAGGCTTA 303

Qy 301 GTCGCGCGATGGTCTCCACCTCTTATGCTCTCTGGTTGAGTGTTCCTGC 360
Db 304 GTCGCGCGATGGTCTCCACCTCTTATGCTCTCTGGTTGAGTGTTCCTGC 363

Qy 361 CAGTCTACTACCGTGTCTCCACCTCTTATGCTCTCTGGTTGAGTGTTCCTGC 420
Db 364 CAGTCTACTACCGTGTCTCCACCTCTTATGCTCTCTGGTTGAGTGTTCCTGC 423

Qy 421 CAGCCAGCTCTATTCCTCACCTCACTCTAACAGGATAGAGCTTCAGTGAAC 480
Db 424 CAGCCAGCTCTATTCCTCACCTCACTCTAACAGGATAGAGCTTCAGTGAAC 483

Qy 481 TCCACCCACGATGACCTCCCTCACTCTAACAGGATAGAGCTTCAGTGAAC 540
Db 484 TCCACCCACGATGACCTCCCTCACTCTAACAGGATAGAGCTTCAGTGAAC 543

Qy 541 TTCCAGCCCTGGCTGAGGAGCTGAGAACACTGAGGAGCTCTAACCTCTCTG 600
Db 544 TTCCAGCCCTGGCTGAGGAGCTGAGAACACTGAGGAGCTCTAACCTCTCTG 603

Qy 601 TCCTGAGGGCCAGGAGCAAGGCCAGGAGCACAGGGAGGAGCTGGCACAGG 660
Db 604 TCCTGAGGGCCAGGAGCAAGGCCAGGAGCACAGGGAGGAGCTGGCACAGG 663
Qy 661 CAGGAGCCACACAGAACACAGAACAGAACAGAACAGAACAGAACAGAAC 720
Db 664 CAGGAGCCACACAGAACACAGAACAGAACAGAACAGAACAGAACAGAAC 723

Qy 721 GAACAGGAGAGGGAAAGGGAGGAGAACAGGAGAACAGGAGAACAGGAG 780
Db 724 GAACAGGAGAGGGAAAGGGAGGAGAACAGGAGAACAGGAGAACAGGAG 783

Qy 781 GTCCTCTGCTGAGAGCTGAGCTGAGCCAGTTACTCTGAATCTCTTAC 840
Db 784 GTGTCCTAGCTGAGAGCTGAGCCAGTTACTCTGAATCTCTTAC 843

Qy 841 CCTCTCTTTCCTCCGGGTAGAGAGTAGAGTACTCTCTATGATAATGGAGAC 900
Db 844 CCTCTCTTTCCTCCGGGTAGAGAGTAGAGTACTCTCTATGATAATGGAGAC 903

Qy 901 ATCCAGGAGCTATCTCATGAGAACCTGAGCTGAGCTGAGCTGAGCT 960
Db 904 ATCCAGGAGCTATCTCATGAGAACCTGAGCTGAGCTGAGCTGAGCT 963

Qy 961 ARACTCTACTCGAGAACCCACCTGGAGCTCTCTGAGCTGAGCTGAGCT 1020
Db 964 AACTCTACTGGAGAACCTGGAGCTGAGCTGAGCTGAGCTGAGCT 1023

Qy 1021 TTGTGTGCTGCTGCTATCGATGTTGAGAATACCTGATCATTAACCCCAGGCCAG 1080
Db 1024 TTCTGTGCTGCTGCTATCGATGTTGAGAATACCTGATCATTAACCCCAGGCCAG 1083

Qy 1081 GCGTGGAGTACATGGAGGAGATCTTGGTTGGAGTGGTGTGAGCAGCT 1140
Db 1084 GCTTGGAGATAATGGAGGAGGATCTTGGGTGGAGTGGTGTGAGCAGCT 1143

Qy 1141 GCGCGGAGACATGTTACCTCTGGCTCTGACTCTGCTGCTGCTGAGCTGAGCT 1200
Db 1144 GCGCGGAGACATGTTACCTCTGGCTCTGACTCTGCTGAGCTGAGCT 1203

Qy 1201 TGCCACTAGAGCCAGGCTGAGGGGACAACTGCGAACATGCGAACCTCCAGAGACTCCCTT 1260
Db 1204 TSGCACTAGAGGCCAACCTGAGGCGAACATGCGAACATGCGAACCTCCCTT 1263

Qy 1261 GTGAGCCCTTGTCTGCTCCAGAGCTGTCATCGCAACCGAGTAGGTCCTCCAGAA 1320
Db 1264 GTGAGCCCTTGTCTGCTCCAGAGGCCAACCTGAGGTTGGTCCTCCAGAA 1323

Qy 1321 TCGGGCCTTGTACGGCTGATGTTGAGCTGCTGGCTCACATGAGCTCTGGTGCC 1380
Db 1324 TCAAGGCCCTTGTACGGCTGATGTTGAGCTGCTGGCTCACATGAGCTCTGGTGCC 1383

Qy 1381 CGCTTSCACGAGAGCTGAGAGATGTCGGAGCTGCTGGGGCTCCAGACTGAGTC 1440
Db 1384 CGCTTSCACGAGAGCTGAGAGATGTCGGAGCTGCTGGGGCTCCAGACTGAGTC 1443

Qy 1441 CTTAGCTCCAGATGGGATTCCTACCAAGATGTTGAGCAGACTATCCAGTAC 1500
Db 1444 CTTAGCTCCAGATGGGATTCCTACCAAGATGTTGAGCAGACTATCCAGTAC 1503

Qy 1501 CCAACTACTGTTCTCAAGGCCACGAGCTGCTGGCTGAGCCAACTGGAGCTG 1560
Db 1504 CCAACTACTGTTCTCAAGGCCACGAGCTGCTGGCTGAGCCAACTGGAGCTG 1563

Qy 1561 TCCCGATGAGATGCTGAGACTACAGTCACTGAGCTGAGCCCTGGCAAAAGTG 1620
Db 1564 TCCCGATGAGATGCTGAGACTACAGTCACTGAGCTGAGCCCTGGCAAAAGTG 1623

Qy 1621 GACGTGTTGCTGATGAGGAGCTGAGGAGCTGAGCTGAGCCAGTCTGGAG 1680
Db 1624 GACGTGTTGCTGATGAGGAGCTGAGGAGCTGAGCCAGTCTGGAG 1683

Qy 1681 GCTGGCCCTATCTGCCACACCCAGGCCACCTGCCACGGTCTCTATTGTTGAG 1740

RESULT 5

US-03-746-783-77

Sequence 77, Application US/09746783

Publication No. US20030044935A1

GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth
McCOY, John M.
LaVallie, Edward R.
Racie, Lisa A.
Tracy, Maurice
Spaulding, Vicki
Agostino, Michael J.
Howes, Steven H.
Fechtel, Kim

TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM

NUMBER OF SEQUENCES: 231

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09746,783

FILING DATE: 21-Dec-2000

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Milasincic, Debra J.
REGISTRATION NUMBER: 46,931

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214

INFORMATION FOR SEQ ID NO: 77:

SEQUENCE CHARACTERISTICS:

LENGTH: 1899 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 77:

US-09-746-783-77

Query Match 98.0% Score 18564 DB 10 Length 1899;
Best Local Similarity 99.4%; Pred. No. 0; Mismatches 5; Indels 2; Gaps 2;

Matches 1879; Conservative 4; Mismatches 7

QY 7 GCGGGTTGTCACGGACGGGGCGGATCTTCGGCATGAGAACGCCGCT 66
Db 1 gggcggttgtgcacggaccggatcttgcggatcggccatagaaaccggct 60

QY 1684 GTGGGGTCTATTCGCCACACCCACCCACCTTGCCACCTTCTTATGTTGAG 1743
Db 1741 ACCCATGTGTTCAAGCTGCCTCTGGGTTGTTACTCGCCCTACTCACATTCC 1800
Db 1744 ACCCATGTGTTCAAGCTGCCTCTGGGTTGTTACTCGCCCTACTCACATTCC 1803

QY 1801 TTGGGTTGAGCACAGTCCAGAGGGCCACGGTGGAGCTGGCCCTTAAGA 1860
Db 1804 TTGGGTTGAGCACACTCCAGAGGGCCAGTGGAGCTGGCCCTTAAGA 1863

QY 1861 TCACTTACATAAAATGTTGATCTCA 1887
Db 1864 TCACTTACATAAAATGTTGATCTCA 1890

QY 121 GATTGACTCAAGCCCCACTCAGGAGCCCTCTCTCCACCGAATACGAAGCTC 180
Db 127 GATTGACTCAAGCCCCACTCAGGAGCCCTCTCTCCACCGAATACGAAGCTC 186

QY 187 TGGCACTGCTGACTCCACCTTGAGCTGGCTCGGCTACCCAC 246
Db 181 TGGCACTGCTGACTCCACCTTGAGCTGGCTCGGCTACCCAC 240

QY 247 GCGTGGGAATCCACCTCCACCTGGCCAATATGAAACACCGGCTTAGTGC 306
Db 241 GCGTGGGAATCCACCTCCACCTGGCCAATATGAAACACCGGCTTAGTGC 300

QY 307 GATGTTGCTGTGCTCAACCTCCCTATGCCCTCCGGTTGAGCTTCTCCAGTC 366
Db 301 GATGTTGCTGTGCTCAACCTCCCTATGCCCTCCGGTTGAGCTTCTCCAGTC 360

QY 367 ACTCACTACCGTGTCTCCACCCAGCTGAGACTACCTGCGGTCTCGTCAACCC 426
Db 361 ATTCACATCCGTTGCTCCACCCAGCTGAGACTACCTGCGGTCTCGTCAACCC 420

QY 427 GTCCTCTTCTTCACTTACCTCTCAGGATAGAGCTCAGCTGAACCTCTACCC 486
Db 421 GTCCTCTTCTTCACTTACCTCTCAGGATAGAGCTCAGCTGAACCTCTACCC 480

QY 487 ACACAGATGACCTCCCATCTCACCCACTTACACTGACAAATGAAACACCAGCT 546
Db 481 ACACAGATGACCTCCCATCTCACCCACTTACACTGACAAATGAAACACCAGCT 540

QY 547 CCTGGCTGTGAGGCTCAGGACAACAGCTGGAGAGCTCTCACATCTCTGTCCTG 606
Db 541 CCTGGCTGTGAGGCTCAGGACAACAGCTGGAGAGCTCTCACATCTCTGTCCTG 600

QY 607 GAGGCCAGGAAACAGGCCAGGAAAGCAGGAGGGCGAAACAGGAGGAGCTGG 666
Db 601 GAGGCCAGGAAACAGGCCAGGAAAGCAGGAGGGCGAAACAGGAGGAGCTGG 660

QY 667 CGACACACAGAACACAGCAGAACAGAACAGAACAGAACAGAACAGAACAG 726
Db 661 CGACACACAGAACACAGCAGAACAGAACAGAACAGAACAGAACAGAACAG 720

QY 727 GAGAGGGAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 786
Db 721 GAGAGGGAGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780

QY 787 CAGCTGCGACGACTCGAGGCAAGTTCTGATCTCTATCTCTACCTTC 846
Db 781 CAGCTGCGACGACTCGAGGCAAGTTCTGATCTCTATCTCTACCTTC 840

QY 847 TCTTGTGCTCCCGGGTACGAGAAGTAGTACTCTCTATATACTGAGACATCG 905
Db 841 TCTTGTGCTCCCGGGTACGAGAAGTAGTACTCTCTATATACTGAGACATCG 900

QY 907 GGCTCATGGATGCAAGGAAATGATGAAATGATGAAATATGATGAAACTCC 966
Db 901 GAGCTCATGGATGCAAGGAAATGATGAAATGATGAAATATGATGAAACTCC 960

QY 967 TACTGGAGAACAAACCTGGAGCTTCCAGTGGCCACAGAACAGGGCTTGG 1026
Db 961 TACTGGAGAACAAACCTGGAGCTTCCAGTGGCCACAGAACAGGGCTTGG 1020

QY 1027 GCTCTGCTTATGAGTGGAGAATCTGAGTCTGAGCTTCTGAGCTGGCTGG 1086
Db 1021 GCTCTGCTTATGAGTGGAGAATCTGAGTCTGAGCTTCTGAGCTGGCTGG 1080

QY 1087 AGTACATGGAGGAGGATCTTGTGAGTACTCTGATCTAACCCGAGGCTTGGGG 1146
Db 1081 AGTACATGGAGGAGGATCTTGTGAGTACTCTGATCTAACCCGAGGCTTGGGG 1140

QY 1147 CACACCTGCTTACCTTCTGCTTCTGCTTACCTTCTGCTTACCTTCTGCTT 1206

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Db 1141 CGACAGATGCTTACCTGTGCCCTGTGACTCTTGAGCTGGAGCAGTCAC 1200 ;
; PRIORITY: 1998-03-19
; PRIORITY NUMBER: 60/080,314
Qy 1207 TCGAGGGCACTGCAAGGCAACAATGCGACACTCCACAGACTCCCTGTGAGC 1266 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/080,312
Db 1201 TCAGAGSCGACCTGCAGCGCACAGCAACTCCACAGACTCCCTGTGAGC 1260 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1267 CCCTTGCTGCTCCAGAGCCCTGTCATCGGACACCAGTAGGTGCCCCAGATCGGC 1326 ;
; PRIORITY: 1998-03-19
; PRIORITY NUMBER: 60/078,578
Db 1261 CCCTTGCTGCTCCAGAGCCCTGTCATCGGACACCAGTAGGTGCCCCAGATCGGC 1320 ;
; PRIORITY: 1998-03-19
; PRIORITY NUMBER: 60/078,577
Qy 1327 CCGTTTAACGGGCTGGATTGTTAGGGGGCTCCACATGGACTCTGGTGGCCGGTT 1386 ;
; PRIORITY: 1998-03-19
; PRIORITY NUMBER: 60/078,563
Db 1321 CGCTTAAAGGGCTGGATTGTTAGGGGGCTCCACATGGACTCTGGTGGCCGGTT 1380 ;
; PRIORITY: 1998-03-19
; PRIORITY NUMBER: 60/080,313
Qy 1387 GCGACGAAGGCGCTGAGATGCGGAGCTCTGGGGCTCCACAGCTGAGTGGTCTT 1446 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,563
Db 1381 GCGACGAAGGCGCTGAGATGCGGAGCTCTGGGGCTCCACAGCTGAGTGGTCTT 1440 ;
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 90
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-397-945-90

Query Match 95 %; Score 1811.2; DB 10; Length 1892;
Best Local Similarity 99.4%; Pred. No. 0; Mismatches 0; Indels 4; Gaps 4;
Matches 1860; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

Qy 1507 TACTGTTCTCTCAAAGCCAGCTGTTGAGAACAGACTATTCGATACCAAC 1500 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1441 TTCCAGGTGGGATTTCCTACCAAGATGTTGAGACACAGACTATCCGATACCAAC 1500 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1501 TACTGTTCTCTCAAAGCCAGCTGTTGAGAACAGACTATTCGATACCAAC 1560 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1567 ATGAGATGCTCGAGAATGAGACTACAGTGCCTGGCTGAGCAAAGTGGAGGT 1626 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1561 ATGAGATGCTCGAGAATGAGACTACAGTGCCTGGCTGAGCAAAGTGGAGGT 1619 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1627 GTGC-TTGGATGAGCCAGGAGTCAGACCTGACTCTAGGCGATGCGATGAGCTGG 1685 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1620 GGCTTTCGATGGAGGCGAGGAGTCAGACCTGACTCTAGGCGATGAGCTGG 1679 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1686 CGCTATCTGCACACCCAGCCACCTCCAGCTGAGCTTCTCTATGTTGAGCCC 1745 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1680 SGTTTATTGCCCCACACCCAGCCACCTGCGGAGCTTCTCTATGTTGAGCCC 1739 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1746 ATGCTTTCAGGCTGCCCTCTGGGCTGACTACGCCCTACTACATTTCTTGG 1805 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1740 ATGCTTTCAGGCTGCCCTCTGGGCTGACTACGCCCTACTACATTTCTTGG 1799 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1806 TTGGAGCACTGTCAGAGGGCCAGGGTGGAGCTGGCCCTCTTAAGATGACT 1865 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1800 TTGGAGCACTGTCAGAGGGCCAGGGTGGAGCTGGCCCTCTTAAGATGACT 1859 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 1866 TTACATAAAATGTTGATCTTAAARAAA 1895 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 1860 TTACATAAAATGTTGATCTTAAAMAAA 1889 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578

RESULT 6
US-09-397-945-90
Sequence 90, Application US/09397945
Publication No. US20030665139A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc et al.
TITLE OF INVENTION: 95 Human secreted proteins
FILE REFERENCE: P2027P1
CURRENT APPLICATION NUMBER: US/09/397,945
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: PCT/US99/05804
PRIOR FILING DATE: 1999-03-18
PRIOR APPLICATION NUMBER: 60/078,566
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,576
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,573
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,574
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 60/078,579
; PRIOR APPLICATION NUMBER: 60/078,579

Qy 444 TAACACTCTCAGGAGATGAGACTCTAGCTGAGCTTCAACCAAGAGATGACCTCCC 503 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 433 TAACACTCTCAGGAGATGAGACTCTAGCTGAGCTTCAACCAAGAGATGACCTCCC 492 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 504 CATCTCCACCTCACTTCACTGAGACGCCAGCTTCAGCCCTGGCTGAGAGGT 563 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 493 CATCTCCACCTCACTTCACTGAGACGCCAGCTTCAGCCCTGGCTGAGAGGT 552 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 564 CAGCACACAGCTGGAGAGCTCTACATCTCTCTGGAGGCCAGGAGCAAG 623 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 553 CAGCACACAGCTGGAGAGCTCTACATCTCTCTGGAGGCCAGGAGCAAG 612 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 624 GCCAGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 683 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Db 613 GCGAGGAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 672 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578
Qy 684 GCAGGAGAGGGAGAAGACGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 743 ;
; PRIORITY: 1998-04-01
; PRIORITY NUMBER: 60/078,578

Qy 324 CAACCTCCCTATGCCCTCTGGTTGAGCTTCTGCCAGATCCTACACTACCGTCTC 383
 Db 313 CAACCTCCCTATGCCCTCTGGTTGAGCTTCTGCCAGATCCTACACTACCGTCTC 372
 Qy 384 CAACCCAGCTTACATATGCCAGAGACGTCCTGCTCTTCTCAAG 443
 Db 373 CAACCGCTTACATATGCCAGAGACGTCCTGCTCTTCTCAAG 432
 Qy 444 TAACACTCTAAGAGATAGAACTTCAGTGAGTCTCACCCACAGATGACCTCC 503
 Db 433 TAACACTCTAAGAGATAGAACTTCAGTGAGTCTCACCCACAGATGACCTCC 492
 Qy 504 CATTCTACCCACTCACAGTGAGCAGAACGCCAGACCTTCAGCCCTGGCTAGAGCT 563
 Db 493 CATTCTACCCACTCACAGTGAGCAGAACGCCAGACCTTCAGCCCTGGCTAGAGCT 552
 Qy 564 CAGAACAAAGGTGGAGAGACCTCTAACATCTCTCTGGCTGGAGGAGCAGC 623
 Db 553 CAGAACAAAGGTGGAGAGACCTCTAACATCTCTCTGGCTGGAGGAGCAGC 612
 Qy 624 GCGAGAGAACAGAGGAGAACAGAGGAGAGCACAGGAGGAGGAGCACACAA 683
 Db 613 GCGAGAGAACAGAGGAGAACAGGAGGAGGAGCACAGGAGGAGCACAGACAA 672
 Qy 684 GCGAGAGAACAGAGGAGAACAGAGGAGAGCACAGGAGGAGGAGCACACAA 743
 Db 673 GCGAGAGAACAGAGGAGAACAGGAGGAGGAGCACAGGAGGAGCACAGACAA 732
 Qy 744 GGAGAAAGGACAGGGAGCTAACAGGAGGAGGAGGAGGAGGAGGAGGAGC 803
 Db 733 GGAGAAAGGACAGGGAGCTAACAGGAGGAGGAGGAGGAGGAGGAGGAGC 792
 Qy 804 AGAGCCCAAGTTCACTCTGATCTCTCTAACCTCTCTCTGCTCCCGGT 863
 Db 793 AGAGCCCAAGTTCACTCTGATCTCTCTAACCTCTCTCTGCTCCCGGT 852
 Qy 864 ACCGAGAGTGAAGCTACTCTGATATGGAAACTCAGGAGCTCATCGATGCC 923
 Db 853 ACCGAGAGTGAAGCTACTCTGATATGGAAACTCAGGAGCTCATCGATGCC 912
 Qy 924 CCAGGAATAATGATGAATGATGAATATGATGAGAACTCTACTCGGAAACAAA 983
 Db 913 CCAGGAATAATGATGAATGATGAATATGATGAGAACTCTACTCGGAAACAAA 972
 Qy 984 CCTCTGGAGCTTCTGAGCTTSCCCACACAGAGGCCTGCTGGCTGTGCTATTGAT 1043
 Db 973 CCTCTGGAGCTTCTGAGCTTSCCCACACAGA-GCCTGCTGGCTGTGCTATTGAT 1031
 Qy 1044 CGTGGAGAACTTGATCATAACCCCACAGCAAGGCCCTGGAGTACATGGAGGAA 1103
 Db 1032 CGTGGAGAACTTGATCATAACCCCACAGCAAGGCCCTGGAGTACATGGAGGAA 1091
 Qy 1104 GATCTCTGGTTGGGAAGTCGGCTGTGACACGCCCTGGGGAGACATGCTACTG 1163
 Db 1092 GATCTCTGGTTGGGAAGTCGGCTGTGACACGCCCTGGGGAGACATGCTACTG 1151
 Qy 1164 TGCCTCTGAGCTTCTCTCTGAGCTGAGCACTCAGGGAGRCGCTCA 1223
 Db 1152 TGCCTCTGAGCTTCTCTGAGCTGAGCTGAGCACTCAGGGAGRCGCTCA 1211
 Qy 1224 GGGGAACTGAGCTCCACAGACTCCTGTCAGCCCTGCTGGCTGCCCA 1283
 Db 1212 GGGGAACTGAGCTCCACAGACTCCTGTCAGCCCTGCTGGCTGCCCA 1270
 Qy 1284 GAGCTGTCATCGGCACACAGAGTAGGAGTCCCGAGAAATCAGGGCTTTACGGCTGGA 1343
 Db 1271 GAGCTGTCATCGGCACACAGAGTAGGCTCCAGAAATCAGGGCTTTACGGCTGGA 1330
 Qy 1344 TTGTGAGCTGCTCCACATGAGCTTCTGCTGGCTGGCTGGAGAGGTGTA 1403
 Db 1331 TTGTGAGCTGCTCCACATGAGCTTCTGCTGGCTGGCTGGAGAGGTGTA 1390
 Qy 1404 AGATGTCGGAGCTCTGGGGCTCCAGACTGAGTCTCTTCCAGGATGGGATT 1463

RESULT: 9
 US-10-085-117-54
 ; Sequence 54, Application US/10085117
 ; Publication No. US200302323341
 ; GENERAL INFORMATION:
 ; APPLICANT: Morris, David W.
 ; APPLICANT: Engelhard, Eric K.
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
 ; FILE REFERENCE: 52945000121
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; CURRENT FILING DATE: 2002-02-27
 ; PRIORITY APPLICATION NUMBER: US 09/798,586
 ; PRIORITY FILING DATE: 2001-03-02
 ; NUMBER OF SEQ ID NOS: 361
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 54
 ; LENGTH: 1632
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-085-117-54

Query Match 86.1%; Score 1632; DB 17; Length 1632;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1632; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 49 ATGAGGAGGCCGCGCCGCTGGCTTCCCTCACTCTGAGGTGGCTCTGCTCTG 108
 Db 1 ATGAGGAGGCCGCGCCGCTGGCTTCCCTCACTCTGAGGTGGCTCTGCTCTG 60

Qy 109 GCACCTGCCGAGCCAGGATTCGACTCAAGGCCCTCACTCGGAGGCTCTCTCT 168
 Db 61 GCACCTGCCGAGCCAGGATTCGACTCAAGGCCCTCACTCGGAGGCTCTCTCT 120

Qy 169 ACCGATACGAGCTTCTGACTCTGACTCCACCTGAGAGGAGAGACTCTGC 228
 Db 121 ACCGATACGAGCTTCTGACTCTGACTCCACCTGAGAGGAGAGACTCTGC 180

QY 766 GAGGGCGGCGGCTGTCTCAGTGCAGACAGACTCAGGCCAGTTCACTCTGA 825 ; APPLICANT: Jobert, Severin
Db 715 GGGGGTCTGAGTCAGTGCAGCTCAGCTCAGCCAGTTCACTCTGA 774 ; APPLICANT: Cluseel, Catherine
QY 826 TCTCTATCTCTAACCTCTCTCTTGCTCCCCGGTAGAGAAGTAGTGTCTACTCT 885 ; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: 56.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/978, 360A
; CURRENT FILING DATE: 2001-10-15
; PRIORITY APPLICATION NUMBER: US 60/086, 677
; PRIORITY FILING DATE: 1997-11-13
; PRIORITY APPLICATION NUMBER: US 60/096, 116
; PRIORITY FILING DATE: 1998-08-10
; PRIORITY APPLICATION NUMBER: US 60/074, 121
; PRIORITY FILING DATE: 1998-02-09
; PRIORITY APPLICATION NUMBER: US 60/081, 563
; PRIORITY FILING DATE: 1998-04-13
; PRIORITY APPLICATION NUMBER: US 60/096, 957
; PRIORITY FILING DATE: 1997-12-17
; PRIORITY APPLICATION NUMBER: US 60/099, 273
; PRIORITY FILING DATE: -09-04
; PRIORITY APPLICATION NUMBER: US 09/191, 997
; PRIORITY FILING DATE: 1998-11-13
; PRIORITY APPLICATION NUMBER: US 09/215, 435
; PRIORITY FILING DATE: 1998-12-17
; PRIORITY APPLICATION NUMBER: PCT/IB98/02122
; PRIORITY FILING DATE: 1998-12-17
; PRIORITY APPLICATION NUMBER: US 09/247, 155
; PRIORITY FILING DATE: 1999-02-09
; REMAINING Prior Application data removed - see File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 810
; SOFTWARE: Patent.pml
SEQ ID NO 262
LENGTH: 964
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 21..527
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 21..95
OTHER INFORMATION: von Heine matrix
FEATURE:
NAME/KEY: polya_signal
LOCATION: 921..926
FEATURE:
NAME/KEY: polyA_site
LOCATION: 953..963
US-09-978-360A-262
Query Match 49.5%; Score 937.6; DB 11; Length 964;
Best Local Similarity 99.3%; Pred. No. 7.4e-274; Matches 948; Conservative 3; Mismatches 3; Indels 1; Gaps 1;
Db 1489 CGCATATCGGAGGGTCCCCTGATGAGTCTGCAAGATGACTTACAGTGCTGTGAGC 1605
QY 1606 CCTCGCAAAGTGGACCTGCTCTCATGGACCAAGGAGTCAGACCTGACTCTA 1665
Db 1549 CTGGCTTAAGAGGAGGGTACCTTCTGAGGCCAAAGAGTTAGCACTTGTATA 1608
QY 1666 GGCGAGTTGGATGA 1680
Db 1609 GGCAGTTGGATGA 1623

RESULT 12
US-09-978-360A-262
; Sequence 262, Application US/09978360A
; Publication No. US2004110939A1
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste Dumas Milne
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouquelieret, Lydie

Qy 702 ACAGGAGAGCAACAGAGCAGGAAAGGGGAAGCAGGAGAGCACGGGAC 761
Db 12992 ACAGGAAGCAGAAGAGGAACTGAGGAAAGCAGGAGAGCACGGGAC 13051
Qy 762 TAAGGAGGCAAGGGAGGCCTGTCACAGCGAACACTCGAGGCCAGTTCACTC 821
Db 13052 TAAGGAGGCAAGGGAGGCCTGTCACAGCGAACACTCGAGGCCAGTTCACTC 13111
Qy 822 TGAATCTCTATCTAACCCCTCCCTTGTCCCGGTTGAGAGTAGAGTCAC 881
Db 13112 TGAATCTCTATCTAACCCCTCCCTTGTCCCGGTTGAGAGTAGAGTCAC 13171
Qy 882 TCCTATGATAATGGAAACATCCAGGAGCTCATTCGATCGCCAGGAATATGAAAT 941
Db 13172 TCCTATGATAATGGAAACATCCAGGAGCTCATTCGATCGCCAGGAATATGAAAT 13231
Qy 942 GAAATGAAATATGATGAACTCTACTGGACRAACCAAACCTTGCAACGTTCCGCA 1001
Db 13232 GAAATGAAATATGATGAACTCTACTGGACRAACCAAACCTTGCAACGTTCCGCA 13291
Qy 1002 GCT 1004
Db 13292 GRT 13294

RESULT 15
US-09-918-995-14842
; Sequence 14842, Application US/09918995
; Publication No. US2003007362A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
FILE REFERENCE: 20411-156
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 14842
LENGTH: 469
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(469)
OTHER INFORMATION: n = A,T,C or G

US-09-918-995-14842

Query Match 22.9%; Score 433.8; DB 10; Length 469;
Best Local Similarity 96.1%; Pred. No. 7.5e-121;
Matches 441; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
Qy 907 GAGCTCATTCGATCAGCCAGGAATATGATGAAATATGATGAAACTC 966
Db 11 GAGTCCTGATGAGCTGAGNGNGGAATCTGAATGAAATATGATGAAACTC 70
Qy 967 TACTGGAGAACCAAAACCTGCAAGTCTGCACTGCCCACAGAGGAGCTG 1026
Db 71 TACTGGAGAACCAAAACCTGCACTGCCCACAGAGGAGCTG 130
Qy 1027 GPGCTGCTGCTATCTGCTGAGAGTACCTGATCATTAACCCACAGCAGGCTG 1086
Db 131 GPGCTGCTGCTATCTGCTGAGAGTACCTGATCATTAACCCACAGCAGGCTG 190
Qy 1087 AAGTACATGGAGGAGATCTTGTGTTGGAAAGTGGTGTGACAGCTGGGG 1146
Db 191 AAGTACATGGAGGAGATCTTGTGTTGGAAAGTGGTGTGACAGCTGGGG 250
Qy 1147 CGACACATGTCATCTGCCCCCTGACTCTGCTCTGCTCTGAGCTGGACAGTGGAC 1205

Search completed: September 10, 2005, 21:01:01
Job time : 1191 secs

Db 251 CGACACATGTCATCTGCCCCCTGCTGACTCTGCTCTGAACTGGAGGTGGCAC 310
Qy 1207 TCAAGGCCASGCTGCGCGCACATGACACCTCCCAAGGCTCCCTTGTCAGC 1266
Db 311 TCAAGGCCASGCTGCGCGCACATGACACCTCCCAAGGCTCCCTTGTCAGC 370
Qy 1267 CCCTTGCTGCTCCCGAGGCCTGTCATGGCACCCAGATCGGC 1326
Db 371 CCCTTGCTGCTCCCGAGGCCTGTCATCGCAACAGGTGGTCCCAGAACTCGGC 430
Qy 1227 CCCTTGAGGAGCTGGATTGTCAGGGGGCTCCACATG 1365
Db 431 CCCTTGAGGAGCTGGATTGTCAGGGGGCTCCACATG 469

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OM nucleic - nucleic search, using sw model

Run on: September 10, 2005, 18:45:06 ; Search time 346 Seconds
(without alignments)
8961.689 Million cell updates/sec

Title: US-09-559-013E-23
Perfect score: 1895
Sequence: 1 gtttggggggtttgttcc.....tgttgatcttaaaaaaaaaaa 1895
Scoring table: Oligo_NUC / Gapop_60.0 , Gapext 60.0
Searched: 1202764 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cggn2_6/pctodata/1/ina/5A_COMB.seq:*
- 2: /cggn2_6/pctodata/1/ina/5B_COMB.seq:*
- 3: /cggn2_6/pctodata/1/ina/6A_COMB.seq:*
- 4: /cggn2_6/pctodata/1/ina/6B_COMB.seq:*
- 5: /cggn2_6/pctodata/1/ina/PCTUS_COMB.seq:*
- 6: /cggn2_6/pctodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB ID	Description
1	71	3..7	316	4	US-09-621-976-3396 Sequence 3396, AP
2	20	1..1	792	4	US-09-621-976-3396 Sequence 6886, AP
3	20	1..1	1701	4	US-09-480-039A-7008 Sequence 7008, AP
4	20	1..1	2470	1	US-07-745-206A-14 Sequence 14, Appl
5	20	1..1	2470	2	US-07-745-206A-14 Sequence 14, Appl
6	20	1..1	5467	1	US-07-745-206A-12 Sequence 12, Appl
7	20	1..1	5467	2	US-08-311-363A-12 Sequence 12, Appl
8	20	1..1	6232	3	US-08-455-2008-11 Sequence 11, Appl
9	20	1..1	7175	1	US-08-455-543A-8 Sequence 8, Appl
10	20	1..1	7175	2	US-08-193-078B-8 Sequence 8, Appl
11	20	1..1	7175	2	US-08-223-305C-8 Sequence 8, Appl
12	20	1..1	7175	3	US-08-148-097D-8 Sequence 8, Appl
13	20	1..1	7175	3	US-08-949-386-8 Sequence 8, Appl
14	20	1..1	7175	3	US-08-450-562-8 Sequence 8, Appl
15	20	1..1	7175	3	US-08-984-709A-8 Sequence 8, Appl
16	20	1..1	7175	3	US-08-450-272-8 Sequence 8, Appl
17	20	1..1	7175	4	US-08-450-73-8 Sequence 8, Appl
18	20	1..1	7177	3	US-09-268-163-7 Sequence 7, Appl
19	20	1..1	7266	3	US-09-713-118-1 Sequence 7, Appl
20	20	1..1	7266	3	US-09-452-007-1 Sequence 7, Appl
21	20	1..1	7362	1	US-08-455-543A-7 Sequence 7, Appl
22	20	1..1	7362	2	US-08-193-078B-7 Sequence 7, Appl
23	20	1..1	7362	2	US-08-223-305C-7 Sequence 7, Appl
24	20	1..1	7362	2	US-08-149-097D-7 Sequence 7, Appl
25	20	1..1	7362	3	US-08-949-386-7 Sequence 7, Appl
26	20	1..1	7362	3	US-08-450-562-7 Sequence 7, Appl
27	20	1..1	7362	3	US-08-984-709A-7 Sequence 7, Appl

RESULT 1
US-09-621-976-3396
Sequence 3396, Application US/09621976
; Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, S.J.Y.
TITLE OF INVENTION: RNA and Encoded Human Proteins
FILE REFERENCE: GNRNST 054PR2
CURRENT APPLICATION NUMBER: US/09-621, 976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: patent-pm
SEQ ID NO 3396
LENGTH: 316
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 66..311
NAME/KEY: misc_feature
LOCATION: 301
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-3396

Query Match 3.7%; Score 71; DB 4; Length 316;
Best Local Similarity 100.0%; Pred. No. 6.4e-24;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 CCACTCCAGGAGCCCTCTCTCTCTACCGATAACGAGCTCTTCGACTGCTGACTC 202
Db 157 CCACTCCAGGAGCCCTCTCTCTCTACCGATAACGAGCTCTTCGACTGCTGACTC 216

QY 203 CAACCTGGAAG 213
Db 217 CAACCTGGAG 227

ALIGNMENTS

Result No.	Score	Query	Length	DB ID	Description
1	71	3..7	316	4	US-09-621-976-3396 Sequence 3396, AP
2	20	1..1	792	4	US-09-621-976-3396 Sequence 6886, AP
3	20	1..1	1701	4	US-09-480-039A-7008 Sequence 7008, AP
4	20	1..1	2470	1	US-07-745-206A-14 Sequence 14, Appl
5	20	1..1	2470	2	US-07-745-206A-14 Sequence 14, Appl
6	20	1..1	5467	1	US-07-745-206A-12 Sequence 12, Appl
7	20	1..1	5467	2	US-08-311-363A-12 Sequence 12, Appl
8	20	1..1	6232	3	US-08-455-2008-11 Sequence 11, Appl
9	20	1..1	7175	1	US-08-455-543A-8 Sequence 8, Appl
10	20	1..1	7175	2	US-08-193-078B-8 Sequence 8, Appl
11	20	1..1	7175	2	US-08-223-305C-8 Sequence 8, Appl
12	20	1..1	7175	3	US-08-148-097D-8 Sequence 8, Appl
13	20	1..1	7175	3	US-08-949-386-8 Sequence 8, Appl
14	20	1..1	7175	3	US-08-450-562-8 Sequence 8, Appl
15	20	1..1	7175	3	US-08-984-709A-8 Sequence 8, Appl
16	20	1..1	7175	3	US-08-450-272-8 Sequence 8, Appl
17	20	1..1	7175	4	US-08-450-73-8 Sequence 8, Appl
18	20	1..1	7177	3	US-09-268-163-7 Sequence 7, Appl
19	20	1..1	7266	3	US-09-713-118-1 Sequence 7, Appl
20	20	1..1	7266	3	US-09-452-007-1 Sequence 7, Appl
21	20	1..1	7362	1	US-08-455-543A-7 Sequence 7, Appl
22	20	1..1	7362	2	US-08-193-078B-7 Sequence 7, Appl
23	20	1..1	7362	2	US-08-223-305C-7 Sequence 7, Appl
24	20	1..1	7362	2	US-08-149-097D-7 Sequence 7, Appl
25	20	1..1	7362	3	US-08-949-386-7 Sequence 7, Appl
26	20	1..1	7362	3	US-08-450-562-7 Sequence 7, Appl
27	20	1..1	7362	3	US-08-984-709A-7 Sequence 7, Appl

RESULT 2
US-09-480-039A-6886
; Sequence 6886, Application US/09480039A
; Patent No. 6610366
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KUEBSIELLA
TITLE OF INVENTION: PNEUMONIA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709-200401
CURRENT APPLICATION NUMBER: US/09-489, 039A
CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO: 6886
 LENGTH: 792
 TYPE: DNA
 ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-6886

Query Match Similarity 1.1%; Score 20; DB 4; Length 792;
 Best Local Similarity 100.0%; Pred. No. 22; Mismatches 0; Indels 0; Gaps 0;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1288 CTGTCATCGGCACCGAGT 1307
 Db 68 CTGTCCATGGCAACCGAGT 87

RESULT 3
 US-09-489-039A-7008
 Sequence 7008 Application US/09489039A
 Patent No. 66610836
 GENERAL INFORMATION:
 APPLICANT: Gary Breton et. al
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 2709 200401
 CURRENT APPLICATION NUMBER: US/09/489, 039A
 CURRENT FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: - US 60/117,747
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO: 7008
 LENGTH: 1701
 TYPE: DNA
 ORGANISM: Klebsiella pneumoniae

Query Match Similarity 1.1%; Score 20; DB 4; Length 1701;
 Best Local Similarity 100.0%; Pred. No. 21; Mismatches 0; Indels 0; Gaps 0;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1288 CTGTCATCGGCACCGAGT 1307
 Db 82 CTGTCCATGGCAACCGAGT 101

RESULT 4
 US-07-745-206A-14/C
 Sequence 14 Application US/07745206A
 Parent No. 542991
 GENERAL INFORMATION:
 APPLICANT: Harpol, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: Feldman, Daniel
 APPLICANT: McCue, Ann
 APPLICANT: Brenner, Robert
 TITLE OF INVENTION: Human Calcium Channel Compositions and Methods
 NUMBER OF SEQUENCES: 32
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/311,363
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE: 15-AUG-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-51506
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619)238-0999
 TELEFAX: (619)238-0062
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2470 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown

RESULT 5
 US-08-311-363-14/C
 Sequence 14 Application US/08311363
 Patent No. 5876958
 GENERAL INFORMATION:
 APPLICANT: Harpol, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: Feldman, Daniel
 APPLICANT: McCue, Ann
 APPLICANT: Brenner, Robert
 TITLE OF INVENTION: Human Calcium Channel Compositions and Methods
 NUMBER OF SEQUENCES: 32
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE: 15-AUG-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-51506
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619)238-0999
 TELEFAX: (619)238-0062
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2470 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS

LOCATION: 1..2469

US-08-11-363-14

Query Match 1.1%; Score 20; DB 2; Length 2470;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGGCCAAGAGAG 720
Db 1856 AACAGGAAGGCCAAGAGAG 1837

RESULT 6

US-07-745-206A-12/c

Sequence 12, Application US/07745206A
Patent No. 542921

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: Feldman, Daniel

APPLICANT: McCue, Ann

APPLICANT: Feldman, Daniel

TITLE OF INVENTION: Human Calcium Channel Compositions and Methods

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fitch, Evan, Tabin & Flannery

STREET: 135 S. LaSalle

CITY: Chicago

STATE: Illinois

COUNTRY: U.S.A.

ZIP: 60603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/745, 206A

FILING DATE: 19910815

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Feder, Scott B

REFERENCE/DOCKET NUMBER: 51504

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-372-7842

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 5467 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: Join(144..3164, 3168..3245, 3249..3386, 3390

LOCATION: ..3392..3396..3488..3495..3539..3543..3581..3585

LOCATION: ..3587..3591..3626..3630..3689..3693..3737..3744

LOCATION: ..3746..3750..4823..4827..4941..4845..5006..5010

LOCATION: ..5096..5100..5306..5310..5366..5370..5465)

US-08-311-363-12

Query Match 1.1%; Score 20; DB 1; Length 5467;

Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGGCCAAGAGAG 720
Db 1999 AACAGGAAGGCCAAGAGAG 1980

RESULT 7

US-08-311-363-12/c

Sequence 12, Application US/08311363

GENERAL INFORMATION:

APPLICANT: Harpold, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: Feldman, Daniel

APPLICANT: McCue, Ann

APPLICANT: Bremer, Robert

TITLE OF INVENTION: Human Calcium Channel Compositions and Methods

CORRESPONDENCE ADDRESS:

ADDRESSEE: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTY: USA

ZIP: 92101-2926

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/311, 363

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/745, 206

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999

TELEFAX: (619) 238-0062

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 5467 base pair

TYPE: nucleic acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: Join(144..3164, 3168..3245, 3249..3386, 3390

LOCATION: ..3392..3396..3488..3495..3539..3543..3581..3585

LOCATION: ..3587..3591..3626..3630..3689..3693..3737..3744

LOCATION: ..3746..3750..4823..4827..4941..4845..5006..5010

LOCATION: ..5096..5100..5306..5310..5366..5370..5465)

US-08-311-363-12

Query Match 1.1%; Score 20; DB 2; Length 5467;

Best Local Similarity 100.0%; Pred. No. 20;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAAGGCCAAGAGAG 720
Db 1999 AACAGGAAGGCCAAGAGAG 1980

TITLE OF INVENTION: TISSUE-SPECIFIC HUMAN NEURONAL
 TITLE OF INVENTION: CALCIUM CHANNEL SUB-TYPES AND
 TITLE OF INVENTION: THEIR USE

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSE: SPRUNG HORN KRAMER & WOODS

STREET: 660 White Plains Road

CITY: Tarrytown

STATE: New York

COUNTRY: U.S.A.

ZIP: 10591-5144

COMPUTER READABLE FORM:

COMPUTER TYPE: Diskette, 3.5 inch, 1.44 MB

MEDIUM TYPE: storage

COMPUTER: NEC Powermate SX/20

OPERATING SYSTEM: DOS

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/456, 200B

FILING DATE: 31-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/094, 712

FILING DATE: 19-JUL-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/858, 278

FILING DATE: 26-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/064, 778

FILING DATE: 19-MAY-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 41 10 785

FILING DATE: 04-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Kurt G. Briscoe

REGISTRATION NUMBER: 33,141

REFERENCE/DOCKET NUMBER: Bayer 8398.-3-KGB

TELECOMMUNICATION INFORMATION:

TELEPHONE: (914) 332-1844

TELEFAX: (914) 332-1844

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 6232 nucleotides

TYPE: Nucleotide

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: cDNA

US-08-456-200B-11

Query Match Local Similarity 1.1%; Score 20; DB 3; Length 6232;

Best Local Similarity 100.0%; Pred. No. 20; Mismatches 0; Indels 0; Gaps 0;

Matches 20; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

QY 701 AACAGGAGAGCAAGAGAG 720
Db 887 AACAGGAGAGCAAGAGAG 868RESULT 9
US-08-455-543A-8/c

Sequence 8, Application US/08455543A

; Parent No. 5792846

GENERAL INFORMATION:

APPLICANT: Harpol, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: Feldman, Daniel

APPLICANT: McCue, Ann

APPLICANT: Bremer, Robert

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
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 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
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 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
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 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
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 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
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 CITY: San Diego
 STATE: California
 COUNTRY: USA
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 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926CORRESPONDENCE ADDRESS:
 ADDRESSE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926

RESULT 10
; Sequence 8, Application US/08193078B
; Patent No. 5846757
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWN, MARTIN, HALLER & MCCLAIN
; STREET: 1660 UNION STREET
; CITY: SAN DIEGO
; STATE: CA
; COUNTRY: USA
; ZIP: 92101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/193,078B
; FILING DATE: 07-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/868,354
; FILING DATE: 10-APR-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-53607
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDBNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-193-078B-8
; Query Match 1.1%; Score 20; DB 2; Length 7175;
; Best Local Similarity 100.0%; Pred. No. 20;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; QY 701 AACAGGAAAGGCAAGAAGAG 720
; Db 1999 AACAGGAAAGGCAAGAAGAG 1980
; RESULT 11
; US-08-223-305C-8/c
; Sequence 8, Application US/08223305C

; Parent No. 5851824
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,305C
; FILING DATE: April 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/868,354
; FILING DATE: April 10, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/742,384
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751.
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELEPHONE: (619) 238-0999
; TELEFAX: (619) 238-0062
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7175 base pairs
; TYPE: nucleic acid
; STRANDBNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..143
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 6855..7175
; US-08-223-305C-8
; Query Match 1.1%; Score 20; DB 2; Length 7175;

Best Local Similarity 100.0%; Pred. No. 20; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGGAGAGCAGAGAG 720
Db 1999 AACAGGAGAGCAGAGAG 1980

RESULT 12
US-08-149-097D-8/c
Sequence 8, Application US/08149097D
Patent No. 5,874,236

GENERAL INFORMATION:
 APPLICANT: Harpold, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: Feldman, Daniel
 APPLICANT: McCue, Ann
 APPLICANT: Breuner, Robert

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 40

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/149,097D
 FILING DATE: 05-NOV-1993
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/105,536
 FILING DATE: 11-AUG-1993

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US92/06903
 FILING DATE: 14-AUG-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/914,231
 FILING DATE: 13-JUL-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/868,354
 FILING DATE: 10-APR-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE: 15-AUG-1991

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/620,250
 FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/482,384
 FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/176,899
 FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US89/01408
 FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/176,899
 FILING DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 519808
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (619) 238-0052

RESULT 13
US-08-949-386-8/c
Sequence 8, Application US/08949386
Patent No. 6,090623

GENERAL INFORMATION:
 APPLICANT: Harpold, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: McCue, Ann
 APPLICANT: Gillespie, Alison

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: California
 COUNTRY: US
 ZIP: 92101

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/949,386
 FILING DATE:
 CLASSIFICATION:
 APPLICATION NUMBER: US/08/290,012
 FILING DATE: 11-AUG-1994
 APPLICATION NUMBER: 08/149,097
 FILING DATE: 5-NOV-1993

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/105,536
 FILING DATE: 11-AUG-1993

ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 519808
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 238-0999
 TELEFAX: (619) 238-0662
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7175 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 144..6857
 FEATURE:
 NAME/KEY: 5' UTR
 LOCATION: 1..143
 FEATURE:
 NAME/KEY: 3' UTR
 LOCATION: 6855..7175

Query Match 1.1%; Score 20; DB 2; Length 7175;
 Best Local Similarity 100.0%; Pred. No. 20; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGGAGAGCAGAGAG 720
Db 1999 AACAGGAGAGCAGAGAG 1980

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 7175 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE: CDS

NAME/KEY: CDS

LOCATION: 144..6857

FEATURE: 5' UTR

NAME/KEY: 5' UTR

LOCATION: 1..143

FEATURE: 3' UTR

NAME/KEY: 3' UTR

LOCATION: 6855..7175

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGGAGAGCAGAGAG 720
Db 1999 AACAGGAGAGCAGAGAG 1980

RESULT 14

US-08-450-562-8/C

GENERAL INFORMATION:

Patent No. 6096514

; Sequence 8, Application US/08450562

APPLICANT: Harpol, Michael

APPLICANT: Ellis, Steven

APPLICANT: Williams, Mark

APPLICANT: McCue, Ann

APPLICANT: Gillespie, Alison

APPLICANT: Feldman, Daniel

APPLICANT: Brenner, Robert

TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESS: Brown, Martin, Haller & McClain

STREET: 1660 Union Street

CITY: San Diego

STATE: California

COUNTRY: US

ZIP: 92101

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/450,562

FILED DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/404,950

FILED DATE: 13-MAR-1995

APPLICATION NUMBER: 08/336,257

FILED DATE: 7-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/311,363

FILED DATE: 23-SEPT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/290,012

FILED DATE: 11-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/223,305

FILED DATE: 4-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/193,078

FILED DATE: 07-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/149,097

FILED DATE: 5-NOV-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/105,536

FILED DATE: 11-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/914,231

FILED DATE: 13-JULY-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/868,354

FILED DATE: 10-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/06903

FILED DATE: 14-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/745,206

FILED DATE: 15-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/620,250

FILED DATE: 30-NOV-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/603,751

FILED DATE: 08-NOV-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/492,384

FILED DATE: 02-FEB-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US89/01408

FILED DATE: 04-APR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/176,899

FILED DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L.

REGISTRATION NUMBER: 33,779

REFERENCE/DOCKET NUMBER: 6362-519812

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 238-0999

TELEFAX: (619) 238-0062

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 7175 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE: CDS

NAME/KEY: CDS

LOCATION: 144..6857

FEATURE: 5' UTR

NAME/KEY: 5' UTR

LOCATION: 1..143

FEATURE: 3' UTR

NAME/KEY: 3' UTR

LOCATION: 6855..7175

Query Match 1.1%; Score 20; DB 3; Length 7175;
Best Local Similarity 100.0%; Pred. No. 20; Mismatches 0; Indels 0; Gaps 0;

Qy 701 AACAGGAGAGCAGAGAG 720
Db 1999 AACAGGAGAGCAGAGAG 1980

RESULT 15

US-08-984-709A-8/C
 Sequence 8, Application US/08984709A
 Patent No. 632032
 GENERAL INFORMATION:
 APPLICANT: Williams, Mark E.
 APPLICANT: Staudermaier, Kenneth A.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
 NUMBER OF SEQUENCES: 52
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Heller Bhrman White & McAuliffe
 STREET: 4250 Executive Square, Suite 700
 CITY: La Jolla
 STATE: California
 COUNTRY: US
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/984,709A
 FILING DATE: 02-DEC-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 24735-9815 (formerly 6362-9815)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 450-8400
 TELEFAX: (619) 587-5360
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 7175 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 144..6857
 FEATURE:
 NAME/KEY: 5'UTR
 LOCATION: 1..143
 FEATURE:
 NAME/KEY: 3'UTR
 LOCATION: 6855..7175
 US-08-984-709A-8

Query Match 1.1%; Score 20; DB 3; Length 7175;
 Best Local Similarity 100.0%; Pred. No. 20;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 701 AACAGGAAAGAGCAAGAG 720
 Db 1999 AACAGGAAAGAGCAAGAG 1980

Search completed: September 10, 2005, 21:45:41
 Job time : 347 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: september 10, 2005, 20:41:1 ; Search time 1184 Seconds
(without alignments)

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Word size : 0

Perfect score: US-09-559-013E-23

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Minimum DB seq length: 0

Maximum DB seq length: 200000000

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22:	/cgn2_6/podata/2/pubnra/US10J_PUBCOMB.seq:*
23:	/cgn2_6/podata/2/pubnra/US11A_PUBCOMB.seq:*
24:	/cgn2_6/podata/2/pubnra/US11I_NEW_PUB.seq:*
25:	/cgn2_6/podata/2/pubnra/US60_NEW_PUB.seq:*
26:	/cgn2_6/podata/2/pubnra/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
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2	1886	99.5	1886	16 US-10-162-666-41
3	1886	99.5	1886	17 US-10-085-117-53
4	1632	86.1	1632	17 US-10-085-117-54
5	1530	80.7	1892	20 US-10-719-993-124
6	1494	78.8	1899	10 US-09-746-783-77
7	1284	67.8	1892	10 US-09-397-945-90

RESULT 1
US-10-148-641A-23

; Sequence 23, Application US/10148641A
; Publication No. US20040086852A1
; GENERAL INFORMATION:
; APPLICANT: Ono, Toshiro and Nakayama, Eiichi
; TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: L00461_70132.US
; CURRENT APPLICATION NUMBER: US/10/148,641A
; CURRENT FILING DATE: 2003-03-18
; PRIORITY APPLICATION NUMBER: US 09/559,013
; PRIORITY FILING DATE: 2000-04-26
; PRIORITY APPLICATION NUMBER: US 60/168,353
; PRIORITY FILING DATE: 1999-12-01
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1895
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (49)...(1677)
; US-10-148-641A-23

Query Match 100.0% Score 1895; DB 18; Length 1895;
Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 1895; Conservative 0; Sequence 77, Appl. Sequence 90, Appl.

Qy	1	GTTAGAGGCCCTTGGTCACGGGACGGGGATCTTCCCGCCATAGGAGGCA	60	Db	1081	GCCTGGAACTACAGGAGGATCTTGTGTCGGAGTGGTCGGAGCCTT	1140
Db	1	GTTAGAGGCCCTTGGTCACGGGACGGGGATCTTCCCGCCATAGGAGGCA	60	Qy	1141	GGCGCGCACAGCTTACCTGRCCTCTGTGACTCTCNGCTCTGAAGTGAGCAG	1200
Qy	61	GCGCTGGCTTCTCTTCACTCTGAGGCTCTCTGCTCTGGACTCGGCA	120	Db	1141	GGCGCGCACAGCTTACCTGRCCTCTGTGACTCTCNGCTCTGAAGTGAGCAG	1200
Db	61	GCGCTGGCTTCTCTTCACTCTGAGGCTCTCTGCTCTGGACTCGGCA	120	Qy	1201	TGCCACTCGAGGGAGCTGAGCGACATGCGACCTCCACAGACTCCCTT	1260
Qy	121	GCCASGATTGACTCAGGCCAACCTCCAGGCGCTCTCTCTACCGAATAGGA	180	Db	1201	TGCCACTCGAGGGAGCTGAGCGACCTCCACAGACTCCCTT	1260
Db	121	GCCASGATTGACTCAGGCCAACCTCCAGGCGCTCTCTCTACCGAATAGGA	180	Qy	1261	GTACACCCCTGCTGCTCCAGGAGCCCTGCTGGCAGCCATCGGACACCGCTTA	1320
Qy	181	CGCTCTTCGCACTGCTGCACTCCACCTGGAGGAGAGTACTCGCCGTCCTCGTCA	240	Db	1261	GTACACCCCTGCTGCTCCAGGAGCCCTGCTGGCAGCCATCGGACACCGCTTA	1320
Db	181	CGCTCTTCGCACTGCTGCACTCCACCTGGAGGAGAGTACTCGCCGTCCTCGTCA	240	Qy	1321	TCAGCCGCTTGTAGGGCTGATGAGGAGCTTACCTGCGCTCTGGTTGAGCTTCTG	1380
Db	301	GTGCCGATGCTGCTGCTGCTCCACCTCCCTATGCTCTGGTTGAGCTTCTG	300	Db	1321	TCAGCCGCTTGTAGGGCTGATGAGGAGCTTACCTGCGCTCTGGTTGAGCTTCTG	1380
Qy	241	ACCCAGGCTCCGGATCCCACTCTGAGGAGACATGAAACCAACCGCTTA	300	Qy	1381	CGGCTGCGCTTGTGCTCCAGGAGCCCTGCTGGCTCACATGGACCTCTGGTGCC	1380
Db	241	ACCCAGGCTCCGGATCCCACTCTGAGGAGACATGAAACCAACCGCTTA	300	Db	1381	CGGCTGCGCTTGTGCTCCAGGAGCCCTGCTGGCTCACATGGACCTCTGGTGCC	1380
Qy	361	GTGCCGATGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	360	Qy	1441	CTTACCTCCAGGATGGGATTCTTACCAAGATTGAGCTTCTGAGCTTCTGAGTC	1500
Db	361	GTGCCGATGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	360	Db	1441	CTTACCTCCAGGATGGGATTCTTACCAAGATTGAGCTTCTGAGCTTCTGAGTC	1500
Qy	421	CAGCCAGCTCTATTCTCTACCTAACACTCTAACCTCACTCTTCTG	480	Qy	1501	CCAACACTGTTCTCAAAGGCCAACGGCAATGGCAATGGGCAATGGAGTG	1560
Db	421	CAGCCAGCTCTATTCTCTACCTAACACTCTAACCTCACTCAAGGAGATAAGCTTCTGAGTC	480	Db	1501	CCAACACTGTTCTCAAAGGCCAACGGCAATGGCAATGGGCAATGGAGTG	1560
Qy	481	TCACCCACACATGACCTCCCCATCTACCCACTCTACAGCAGAGCCGAGC	540	Qy	1561	TCGCCATGAGATGCTGAGATGACTCTACAGTGCAGCACCTGGCTGAGCTTCTG	1620
Db	481	TCACCCACACATGACCTCCCCATCTACCCACTCTACAGCAGAGCCGAGC	540	Db	1561	TCGCCATGAGATGCTGAGATGACTCTACAGTGCAGCACCTGGCTGAGCTTCTG	1620
Qy	541	TTCAGCCCTGGCTGTGAGAGGCTCAGCAACAGTGGAGAGCTCTACCTCTG	600	Qy	1621	GACGGTGTGCTGAGGAGCTTCTACCAAGATTGAGCTTCTGAGCTTCTGAG	1680
Db	541	TTCAGCCCTGGCTGTGAGAGGCTCAGCAACAGTGGAGAGCTCTACCTCTG	600	Db	1621	GACGGTGTGCTGAGGAGCTTCTACCAAGATTGAGCTTCTGAGCTTCTGAG	1680
Qy	601	TCCCTGGAGCCAGGAGGAAAGGCCAGAGCAACGAGCAACAGGAGCAAGG	660	Qy	1681	GCTGGGCTTATCUGCCACCCAGCCACCTGCCAACCTGGCACGTTCTCATGGT	1740
Db	601	TCCCTGGAGCCAGGAGGAAAGGCCAGAGCAACGAGCAACAGGAGCAAGG	660	Db	1681	GCTGGGCTTATCUGCCACCCAGCCACCGCAACCTGGCACGTTCTCATGGT	1740
Qy	661	CAGGAGCCACAAGAACAGAACAGAGGAGGGAGAACAGGAGCAAGGAG	720	Qy	1741	ACCCCTGCTTCTGGCTGGCCCTCTGGCTGTGTTACTCGGCCACTCACATT	1800
Db	661	CAGGAGCCACAAGAACAGAACAGAGGAGGGAGAACAGGAGCAAGGAG	720	Db	1741	ACCCCTGCTTCTGGCTGGCCCTCTGGCTGTGTTACTCGGCCACTCACATT	1800
Qy	721	GAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	780	Qy	1801	TGCTGTGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1860
Db	721	GAACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	780	Db	1801	TGCTGTGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1860
Qy	781	GTGTCTCAGCTGGAGAGACTCGAGCCCAAGTTCTCTATCTTCAAC	840	Qy	1861	TGACTTCTAAAGTGTGACTCTTCAAAAAAA	1895
Db	781	GTGTCTCAGCTGGAGAGACTCGAGCCCAAGTTCTCTATCTTCAAC	840	Db	1861	TGACTTCTAAAGTGTGACTCTTCAAAAAAA	1895
Qy	841	CCTTCCTTGTGTCGCCGGTACAGGAGAGTACTCTATGATGAGAC	900	RESULT 2			
Db	841	CCTTCCTTGTGTCGCCGGTACAGGAGAGTACTCTATGATGAGAC	900	US-10-262-666-41			
Qy	901	ATCCAGGAGCTTCTGCTGCCGGTACAGGAGAGTACTCTATGATGAG	960	Sequence 41, Application US/10262666			
Db	901	ATCCAGGAGCTTCTGCTGCCGGTACAGGAGAGTACTCTATGATGAG	960	Publication No. US20030180298A1			
Qy	961	AACCTCTACTSGAGAACCAAACCTGGAGCTCTGCGCCACAGGGC	1020	GENERAL INFORMATION:			
Db	961	AACCTCTACTSGAGAACCAAACCTGGAGCTCTGCGCCACAGGGC	1020	APPLICANT: Nakayama, Eiichi			
Qy	1021	TGCTGTGCTGGCTATTGATGAGAACTCGCATATAACCCACAGGAG	1080	APPLICANT: Ono, Toshiro			
Db	1021	TGCTGTGCTGGCTATTGATGAGAACTCGCATATAACCCACAGGAG	1080	APPLICANT: Old, Lloyd J.			
Qy	1081	GCCTGGAAAGTACATGGAGGAGATCTTGGTTGGAAACTCGGTCTG	1140	APPLICANT: Hasegawa, Kosei			
;		APPLICANT: Matsumura, Hirokazu					
;		TITLE OF INVENTION: CANCER - TESTIS ANTIGENS					
;		FILE REFERENCE: 100461_70140					
;		CURRENT APPLICATION NUMBER: US/10/262, 666					
;		CURRENT FILING DATE: 2002-10-01					
;		PRIOR APPLICATION NUMBER: PCT/US02/12497					
;		PRIOR FILING DATE: 2002-04-19					
;		PRIOR APPLICATION NUMBER: US 60/356, 937					

RESULT³
US-10-085-117-53
Sequence 53, Application US/10095117
Publication No. US20030232334A1
GENERAL INFORMATION:
APPLICANT: Morris, David W.
APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: 52942000121
CURRENT APPLICATION NUMBER: US 10/085,117
CURRENT FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 361
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 53
LENGTH: 1886
TYPE: DNA
ORGANISM: Homo sapiens
US-10-085-117-53

Query Match Similarity 99 %; Score 1886; DB 17; Length 1886;
Best Local Similarity 100 %; Pred. No: 0; Mismatches 0; Indels 0; Gaps 0;
Matches 1886; Conservative 100 %; Mi smatches 0; Dmels 0;

Qy 1 GTTAAAGGGCCCTTGTTCAAGGGGAGCGGGGATCTTGTGATCTTCTTCAC 780
Db 781 GTGTCCTCACTGCAGACAGACTCAGAGCAAGGCAAGGGGACGGAGCT 840
Qy 841 CCTTCTCTTGTCTCCCGGGTAGCAGAGAGCTTACTCTGAATCTTAATCT 900
Db 841 CCTTCTCTTGTCTCCCGGGTAGCAGAGAGCTTACTCTGAATCTTAATCT 840
Qy 901 ATCCAGAGCTCATCGATCAGCCAGGAATGATGATGAAATATGATGAG 960
Db 901 ATCCAGAGCTCATCGATCAGCCAGGAATGATGATGAAATATGATGAG 960
Qy 961 AACTCCCTACTGGAGAACCAAACCTGGCAGCTCCCTCAGCTGCCACAGAGGCC 1020
Db 961 AACTCCCTACTGGAGAACCAAACCTGGCAGCTCCCTCAGCTGCCACAGAGGCC 1020
Qy 1021 TTGTGTGCTGTGCTATTGATGTTGGAAATACCTGATCATAAACCCACAGCCAG 1080
Db 1021 TTGTGTGCTGTGCTATTGATGTTGGAAATACCTGATCATAAACCCACAGCCAG 1080
Qy 1081 GCCTTGAATCATGAGCTGAGGAGATCTTGTGTTCTGACTCTGCTCTGAGCTG 1140
Db 1081 GCCTTGAATCATGAGCTGAGGAGATCTTGTGTTCTGACTCTGCTCTGAGCTG 1140
Qy 1141 GGGCGGGCACATCTTCACTGTGCCCCCTGACTCTGCTCTGAGCTG 1200
Db 1141 GGGCGGGCACATCTTCACTGTGCCCCCTGACTCTGCTCTGAGCTG 1200
Qy 1201 TGCCCATCAGGGCAGCCGTCAGGGGAGCAATGGAGACCTCCACAGACTCCCTT 1260
Db 1201 TGCCCATCAGGGCAGCCGTCAGGGGAGCAATGGAGACCTCCACAGACTCCCTT 1260
Qy 1261 GTCAACCCCCTGCTGCTGCTGCCAGGCTGCTCTGCTCTGCTCTGAGCTG 1320
Db 1261 GTCAACCCCCTGCTGCTGCTGCCAGGCTGCTCTGCTCTGAGCTG 1320
Qy 1321 TCAGGCCGTTAACGGCTGCTGAGCTGCTCACATGGACTCTGGTGTC 1380
Db 1321 TCAGGCCGTTAACGGCTGCTGAGCTGCTCACATGGACTCTGGTGTC 1380
Qy 1381 CGGCTGCCACGAAGGCTCTGAAGATGTCGAGCTCTGGTGCTCCAGACTG 1440
Db 1381 CGGCTGCCACGAAGGCTCTGAAGATGTCGAGCTCTGGTGCTCCAGACTG 1440
Qy 1441 CTTASCTTCAGGAGGGATTCCCTACCAAGATTGTGACACAGACTATTCAGTAC 1500
Db 1441 CTTASCTTCAGGAGGGATTCCCTACCAAGATTGTGACACAGACTATTCAGTAC 1500
Qy 1501 CCAACTACTCTCTCAAAAGCGCACTGCTGATGAAACCGCACTGGAGGTG 1560
Db 1501 CCAACTACTCTCTCAAAAGCGCACTGCTGATGAAACCGCACTGGAGGTG 1560
Qy 1561 TCCCGATGAGATGTGAGAATGAGCTACAGTGGCTGAGCCCTGGCAAAGTGAG 1620
Db 1561 TCCCGATGAGATGTGAGAATGAGCTACAGTGGCTGAGCCCTGGCAAAGTGAG 1620
Qy 1621 GACGTGTGCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1680
Db 1621 GACGTGTGCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1680
Qy 1681 GCTGAGGTCTTCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1740
Db 1681 GCTGAGGTCTTCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1740
Qy 1741 ACCCCATGCTTCAGGCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1800
Db 1741 ACCCCATGCTTCAGGCTGCTGAGGAGCCAGGTTCAAGCTGCTGAGCTGCTGAG 1800

RESULT 5
US-10-719-993-124
; Sequence 124, Application US/10719993
; General Information:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001436
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 124
; LENGTH: 1892
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-719-993-124

Query	Match	Score	Length	DB	Best Local Similarity	Pred. No.	Mismatches	Indels	Gaps
Qy	1	80.7%	1892	Db	99.6%	0	0	0	0
Matches	1880			Qy					
Db	4			Db					
Qy	61			Qy					
Db	64			Db					
Qy	121			Qy					
Db	124			Db					
Qy	181			Qy					
Db	184			Db					
Qy	241			Qy					
Db	244			Db					
Qy	301			Qy					
Db	304			Db					
Qy	361			Qy					
Db	364			Db					
Qy	421			Qy					
Db	424			Db					
Qy	481			Qy					
Db	484			Db					
Qy	541			Qy					
Db	544			Db					
Qy	601			Qy					
Db	604			Db					
Qy	661			Qy					
Db	664			Qy					

Qy 721 GAACAGGAAGGAGGAAAGCAGGAGAGGAGGACTAAGGAGGAGCGGGAGCT 780
Db 724 GAACAGGAAGGAGGAAAGCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGCT 783
Qy 781 GTGTCTCACTGAGCACAGACTCAGAGCCAAAGTTTACTCTGAATCTCTTAAC 840
Db 841 CCTTCCTCTTTGTCRCCCAGGTACGAGAGTAGAGTGTACTCTATGATAATGGAGAC 900
Db 844 CCTTCCTCTTGTCRCCCAGGTAGAGAGTAGAGTGTACTCTCTGAGCTATGGAGAC 903
Qy 901 ATCCAGGAGCTATTGATCAGGCCAGGAATATGAGATGAAATATGATGAG 960
Db 904 ATCCAGGAGCTATTGATCAGGCCAGGAATATGAGATGAAATATGATGAG 963
Qy 961 AACCTACTGAGAACCAAACCTGGAGCTCTCTGAGCTCCCCACACAGGGCC 1020
Db 964 AACCTACTGAGAACCAAACCTGGAGCTCTGAGCTCCCCACACAGGGCC 1023
Qy 1021 TTGCTGTGCTGTGCTATTGATCGGAGAATACCTGCATATAACCCACAGCCAG 1080
Db 1024 TTGCTGTGCTGTGCTATTGATCGGAGAATACCTGCATATAACCCACAGCCAG 1083
Qy 1081 GCCTGAGTACATGGAGGAGATCTTGTGAGTCTTGTGGAGTCTGCTCTGACAGCCTT 1140
Db 1084 GCCTGAGTAYATGGAGGAGATCTTGTGGAGTCTTGTGGAGTCTGCTCTGACAGCCTT 1143
Qy 1141 GGGCGGGACATGTCTACCTGTGCCCCCTGTGATCTCTCTCTGTAAGCTGGAGC 1200
Db 1144 GGGCGGGACATGTCTACCTGTGCCCCCTGTGATCTCTCTGTAAGCTGGAGC 1203
Qy 1201 TGCCACTCAGAGGCCGCTGCAGGGCACATGGACACCTCCACAGACTCCCTT 1260
Db 1204 TCCACTCAGAGGCCGCTGCAGGGCACATGGACACCTCCACAGACTCCCTT 1263
Qy 1261 GTCAASCCCTTGCTTGTGGCTGGCTCCAGGGCTCAGGGACACCAGTAGGGTCCCAGA 1320
Db 1264 GTCAASCCCTTGCTTGTGGCTGGCTCCAGGGCTCAGGGACACCAGTAGGGTCCCAGA 1323
Qy 1321 TCAGGGCTTTAGGGCTGGATTGTAGGTGCTGGCTCCACATGGACTCTGGTGCC 1380
Db 1324 TCAGGGCTTTAGGGCTGGATTGTAGGTGCTGGCTCCACATGGACTCTGGTGCC 1383
Qy 1381 CGGCTTGCACGAAGGGCTGTGAAGGGTCTGGCTGGCTCCACAGACTGGTC 1440
Db 1384 CGGCTTGCACGAAGGGCTGTGAAGGGTCTGGCTGGCTCCACAGACTGGTC 1443
Qy 1441 CTTAGCTTCCAGGAGGGATTCCCTACCRAGATTGTGACACAGACTATCCGTAC 1500
Db 1444 CTTAGCTTCCAGGAGGGATTCCCTACCRAGATTGTGACACAGACTATCCGTAC 1503
Qy 1501 CCAACTACTTCTCAAAAGGGAGCTGTCTGGATGAGAAACGGCAATGGAGGTG 1560
Db 1504 CCAAACTACTGTCTCAAAAGGGAGCTGTCTGGATGAGAAACGGCAATGGAGGTG 1563
Qy 1561 TCCCGATGAGATGTGCTGAGATGAGCTACAGTGGCTGGCTGGCCAAGCGCA 1620
Db 1564 TCCCGATGAGATGTGCTGAGATGAGCTACAGTGGCTGGCTGGCCAAGCGCA 1623
Qy 1621 GAGTGTGTGCTGAGTGGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 1680
Db 1624 GAGTGTGTGCTGAGTGGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 1683
Qy 1681 GCTGGCTCTATTCCCAACCCAGGCCAACTTGCCCACTTGCTGAGCTGAGCTGAG 1740
Db 1684 GCTGGCTCTATTCCCAACCCAGGCCAACTTGCCCACTTGCTGAGCTGAGCTGAG 1743
Qy 1741 ACCCCATTTGCTTCACTGCTGCCCCCTCTGGCTCTGTACTCGGCCCTACTCATTC 1800
Db 1744 ACCCCATTTGCTTCACTGCTGCTGCCCTCTGGCTCTGTACTCGGCCCTACTCATTC 1803
Qy 1801 TTGGTTGGGAGAACAGTCCAGAGGAGGGCACCGGTGGAGCTGGCCCTCTAAAGA 1860

RESULT 6
US-09-746-783-77
Sequence 77, Application US/09746783
Publication No. US20030044935A1
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
McCoy, John M.
Lavalie, Edward R.
Racie, Lisa A.
Treacy, Maurice
Spaulding, Vikki
Agostino, Michael J.
Howes, Steven H.
Fechel, Kim
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
NUMBER OF SEQUENCES: 231
ENCODING THEM
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/746, 783
FILING DATE: 21-Dec-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Milasincic, Debra J.
REGISTRATION NUMBER: 46, 931
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-2114
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 1899 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 77:
US-09-746-783-77

Query Match 78.8%; Score 1494; DB 10; Length 1899;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1594; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 11 GCTGTGTTCCACGGGAGCGGGGGGATCTTCTCCGCGGCACTGGAGGACCGGGTGGCT 70
Db 5 GCTGTGTTCCACGGGAGCGGGGGGATCTTCTCCGCGGCACTGGAGGACCGGGTGGCT 64
Qy 71 TCCCTCTCTCACTCTGAAGGTGCTCTCTGCCTCTGGCTCTGGAACTGGGGAGCCAGGATT 130
Db 65 TCCCTCTCTCACTCTGAAGGTGCTCTCTGCCTCTGGCTCTGGAACTGGGGAGCCAGGATT 124
Qy 131 CGACTCGAGGCCCACTCCAGGACGGGACGGCTCTCTACCGAATGAGAACGCTTC 190
Db 125 CGACTCGAGGCCCACTCCAGGACGGGACGGCTCTCTACCGAATGAGAACGCTTC 184

Qy 191 CCTGCTGCTGACTTCACCTGGAGAGCTGAGCTTGCGGCTCCGGCAACCCACGCT 250
Db 311 GCTGCTGCTGCTCAACCTGGAGAGCTGAGCTTGCGGCTCCGGCAACCCACGCT 370
Db 305 GTCCTGTCGCTCAACCTCCCTTATGCCCTCGGCTTAGTGCCGATG 310
Qy 371 ATGACCGTGTGCTCCACGCACTCTACTATGCAAACCGGCTTAGTGCCGATG 304
Db 431 CTATCTCTCACTAACTCTCAAGGAGATGAGCTGAGCTGCTGAGCTGCTGAGCT 424
Qy 435 ACTACCGTGTGCTCAACGCACTCTACTATGCAAACCGGCTTAGTGCCGATG 430
Db 425 CTATCTCTCACTAACTCTCAAGGAGATGAGCTGCTGAGCTGCTGAGCT 424
Qy 491 CCGTACCTCCCACCTCCACCTCACGAGAGCTGAGCTGAGCTGAGCTGAGCT 550
Db 485 CATGACTCTCCCATCTCACCCACTTCAGCTGAGAGCTGAGCTGAGCTGAGCT 544
Qy 551 GCCTGAGAGCTCAGGACAGCTGAGCTGAGAGCTGAGCTGAGCTGAGCTGAGCT 610
Db 545 GCCTGAGAGCTCAGGACAGCTGAGCTGAGAGCTGAGCTGAGCTGAGCTGAGCT 604
Qy 611 GCGAGGCGAAGGCCAGGCAAGCTGAGCTGAGAGCTGAGCTGAGCTGAGCT 670
Db 605 GCGAGGCGAAGGCCAGGCAAGCTGAGCTGAGAGCTGAGCTGAGCTGAGCT 664
Qy 671 CACAGAACACAGAGCAGGAGAGGGGGAGAACAGGAGAGGAGGAGGAGGAG 730
Db 665 CACAGAACACAGAGCAGGAGAGGGGGAGAACAGGAGAGGAGGAGGAG 724
Qy 731 AGGAGGAAGGAGGAAGGAGGAAGGAGCACGGGACTTAAGGGGGAGGCTGCTGAGC 790
Db 725 AGGAGGAAGCAGGAGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 850
Qy 791 TCCAGACAGACTCAGGCCAGTTCAGTCTGAGTCTTCTATGAGAGCTCTCT 784
Db 785 TCCAGACAGACTCAGGCCAGTTCAGTCTGAGTCTTCTATGAGAGCTCTCT 844
Qy 851 TTGCTCCCGGGGTACGAGAAGTAGCTACTCTCTATGATAATGGAGAACATCCAGGC 910
Db 845 TTGCTCCCGGGTACGAGAAGTAGCTACTCTCTATGATAATGGAGAACATCCAGGC 904
Qy 911 TCTTGGATCAGCCAGGAATAGTAAATGATGAAATATGATGAGAACTCTACT 970
Db 905 TCTTGGATCAGCCAGGAATAGTAAATGATGAAATATGATGAGAACTCTACT 964
Qy 971 GGAGAACACAAACCTGGAGCTCTGGAGCTGAGCTGCCAACAGAGGCTTGCTG 1030
Db 965 GGAGAACACAAACCTGGAGCTCTGGAGCTGAGCTGCCAACAGAGGCTTGCTG 1024
Qy 1031 TCTGCTTATCGATCGTGGAGATACCTGATCTATAACCCACAGCAGGGCTGGAGT 1090
Db 1025 TGTGCTTATCGATCGTGGAGATACCTGATCTATAACCCACAGCAGGGCTGGAGT 1084
Qy 1091 ACATGGAGGGAGAGATCTCTGGAGATCTGCTGGAGATCTGCTGGAGACGGCTGGAG 1150
Db 1085 ACATGGAGGGAGAGATCTCTGGAGATCTGCTGGAGACGGCTGGAG 1144
Qy 1151 ACATGCTACTGCGCTCTGAGCTCTGGAGATCTGCTGGAGACGGCTGGAG 1210
Db 1145 ACATGCTACTGCGCTCTGGAGATCTGCTGGAGACGGCTGGAG 1204
Qy 1211 AGCCAGGCCTGGAGGGCAACATGGACACCTCCACAGCTCCCTTCAGGCGCT 1270
Db 1205 AGCCAGGCCTGGAGGGCAACATGGACACCTCCACAGCTCCCTTCAGGCGCT 1264
Qy 1271 TGCTGCTCCAGGAGCTCCATGGCAACAGGAGCTGGCTCCAGAGTCAAGGCGCT 1330

PRIMER APPLICATION NUMBER: 60/080, 312
 PRIOR FILING DATE: 1988-04-01
 PRIOR APPLICATION NUMBER: 60/078, 579
 PRIOR FILING DATE: 1988-03-19
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 470
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 90
 LENGTH: 1892
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-653-595-90

Query Match 67.8%; Score 1284; DB 18; Length 1892;
 Best Local Similarity 99.7%; Pred. No. 0; Mismatches 3; Indels 3; Gaps 3;
 Matches 1794; Conservative 0;

Query	Start	End	Strand	Sequence
QY	1353	1412	-	TGGGCTCCACATGGCTTCAGGTGGCTTCCACAAAGGCTTGAGGCTTACGGCTGATTGACGG 1412
Db	1340	1399	-	TGGGCTCCACATGGCTTCAGGTGGCTTCCACAAAGGCTTGAGGCTTACGGCTGATTGACGG 1399
QY	1413	1472	-	AGTCTCTGGGCTCAGCTGAGTTCTAGCTCCAGATGGGATTCCCTACCA 1472
Db	1400	1458	-	AGTCTCTGGGCTCAGCTGAGTTCTAGCTCCAGATGGGATTCCCTACCA 1458
QY	1473	1532	-	GATTGTGACACAGACTATTCAGAACCACACTACTGTTCTCAAAGGCCAGTC 1532
Db	1459	1518	-	GATTGTGACACAGACTATTCAGAACCACACTACTGTTCTCAAAGGCCAGTC 1518
QY	1533	1592	-	TCTGTGAGAAACCCAACTGGAAAGTGTCCCCATGAGATGCTCGAGCATGAGCTTA 1592
Db	1519	1578	-	TCTGTGAGAAACCCAACTGGAAAGTGTCCCCATGAGATGCTCGAGCATGAGCTTA 1578
QY	1593	1652	-	CAGTCGGCTAGGCCGGAAAGTGGAGGCTTGCTCGATGAGCCAGGTTAG 1652
Db	1579	1638	-	CAGTCGGCTAGGCCGGAAAGTGGAGGCTTGCTCGATGAGCCAGGTTAG 1638
QY	1653	1712	-	CACCTGTGACTCTAGGCCAGTGGGAGCTATCTGCCAACCCCCAGGCCA 1712
Db	1639	1698	-	CACCTGTGACTCTAGGCCAGTGGGAGCTATCTGCCAACCCCCAGGCCA 1698
QY	1713	1772	-	ACCTGGCCACGGTCTATGTTGAGACCCATGCTTCAGGTGCTCCCTTGCT 1772
Db	1699	1758	-	ACCTGGCCACGGTCTATGTTGAGACCCATGCTTCAGGTGCTCCCTTGCT 1758
QY	1773	1832	-	CTGTACTCGGCCCTACTACATTCCTGGTTGAGAACAGTCCCAGAGGGCCA 1832
Db	1759	1818	-	CTGTACTCGGCCCTACTACATTCCTGGTTGAGAACAGTCCCAGAGGGCCA 1818

RESULT 8
 US-10-653-595-90

Sequence 90 Application US/10553595
 Publication No. US20040048304A1
 GENERAL INFORMATION:
 APPLICANT: Ruben et. al.
 TITLE: Human secreted proteins
 FILE REFERENCE: P2027P1C1
 CURRENT APPLICATION NUMBER: US10/653, 595
 CURRENT FILING DATE: 2003-09-03
 PRIOR APPLICATION NUMBER: US 09/397945
 PRIOR FILING DATE: 1999-09-17
 PRIOR APPLICATION NUMBER: PCT/US99/05804
 PRIOR FILING DATE: 1999-03-18
 PRIOR APPLICATION NUMBER: 60/078, 566
 PRIOR FILING DATE: 1998-03-19
 PRIOR APPLICATION NUMBER: 60/078, 576
 PRIOR FILING DATE: 1998-03-19
 PRIOR APPLICATION NUMBER: 60/078, 573
 PRIOR FILING DATE: 1998-03-19
 PRIOR APPLICATION NUMBER: 60/078, 574
 PRIOR FILING DATE: 1998-03-19
 PRIOR APPLICATION NUMBER: 60/078, 579
 PRIOR FILING DATE: 1998-03-19
 PRIOR APPLICATION NUMBER: 60/080, 314
 PRIOR FILING DATE: 1998-04-01

Page 10

Qy	AGGTCTACTCTATGATAATGGAGACATCCGGAGTCATCGTCAGGCCAGGAAT	932
Db	AGCTCTACTCTATGATAATGGAGACATCCGGAGTCATCGTCAGGCCAGGAAT	921
Qy	AGTGAAATGAATGAAATATGAGAGACTCTACTGGAGAACCAAAACCTGGAG	992
Db	AGATGAAATGAATGAAATATGAGAGACTCTACTGGAGAACCAAAACCTGGAG	981
Qy	CTTCTGAGCTCCCCAACAGAGGCCTGCTGGTGTGTATTCGATGTTGGAGAA	1052
Db	CCTCTGAGCTCCCCAACAGAG-GCTTGTGGTGTGTATTCGATGTTGGAGAA	1040

CURRENT APPLICATION NUMBER: US10/295,115
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
NUMBER OF SEQ ID NOS: 1478
SEQ ID NO: 693
LENGTH: 1671
TYPE: DNA
ORGANISM: Homo sapiens
US-10-296-115-693

RESULT 11
 US-10-719-993-6794
 ; Sequence 6794, Application US/1071993
 ; GENERAL INFORMATION:
 ; APPLICANT: CARGILL, Michele et al.
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
 ; CURRENT APPLICATION NUMBER: US/10/085,117
 ; FILE REFERENCE: CL001496
 ; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; CURRENT FILING DATE: 2003-11-24
 ; NUMBER OF SEQ ID NOS: 55342
 ; SEQ ID NO: 6794
 ; LENGTH: 21347
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-719-993-6794

Query Match Similarity 24.9%; Score 471; DB 20; Length 21347;
 Best Local Similarity 100.0%; Pred. No. 7.3e-238; Gaps 0;
 Matches 471; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 522 AGTGAAGAGAGCCAGACCTTCAGCCTGGCTGAGAGGCTCAGAACACTGGAA 581
 Db 8812 AGTGAGAAGGCCAGCCCTTCAGCCTGGCTGAGAGGCTCAGAACACTGGAA 8871
 Qy 582 GCTCTTACAATCTCTCTGTCTGGAGGCCAGAGCAAGGCCAGAGCAACAGGA 641
 Db 8872 GCTCTTACAATCTCTCTGTCTGGAGGCCAGAGCAACAGGA 8931
 Qy 642 GCAAGGGAGTGGAGCACAGCAGGGAGGGAGGAGGAGGAGGAGGAGGAGA 701
 Db 12872 GCTCTTACAATCTCTCTGTCTGGAGGCCAGAGCAACAGGA 12871
 Qy 642 GCAAGGGAGTGGAGCACAGCAGGGAGGGAGGAGGAGGAGGAGGAGGAGA 701
 Db 12932 GCAAGGGAGTGGAGCACAGCAGGGAGGGAGGAGGAGGAGGAGGAGGAGA 12931
 Qy 702 ACAGGAGAGCAGAGGAGAACAGGGAGGGAGGGAGGAGGAGGAGGAGGAGA 761
 Db 12992 ACAGGAGAGCAGAGGAGAACAGGGAGGGAGGAGGAGGAGGAGGAGGAGA 13051
 Qy 762 TAAGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGA 821
 Db 13052 TAAGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGA 13111
 Qy 822 TGAATCTCTACTCTTAACCTTCTCTTCTTGTCTGGCTCCCGGTACGAGATGCTAC 881
 Db 13112 TGAATCTCTACTCTTAACCTTCTCTTCTTGTCTGGCTCCCGGTACGAGATGCTAC 13171
 Qy 882 TCCTATGATAATGGAGAACATCCAGGAGCTCATCGATGCCAGGAATAGTAAT 941
 Db 9172 TCCTATGATAATGGAGAACATCCAGGAGCTCATCGATGCCAGGAATAGTAAT 9231
 Qy 942 GAATGAAATATGATGAGAACCTCTACTGGAGAAACAAACCTCTGGAG 992
 Db 9232 GATGAAATATGATGAGAACCTCTACTGGAGAAACCAACCTGGAG 9282

RESULT 13
 US-09-918-995-14842
 ; Sequence 14842, Application US/09918995
 ; Publication No. US20030073623A1
 ; GENERAL INFORMATION:
 ; APPLICANT: HYSEQ, Inc.
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 ; FILE REFERENCE: 20411-756
 ; CURRENT APPLICATION NUMBER: US/09/918, 995
 ; CURRENT FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: US/09/233, 076
 ; PRIOR FILING DATE: 1999-01-20
 ; NUMBER OF SEQ ID NOS: 38054

RESULT 12
 US-10-085-117-52
 ; Sequence 52, Application US/10085117

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Db	306	TGAATGAACTGAAATATGAGACTCTACTGGAGAACCAAACCTGGCAGCT	365
OY	996	CCTGCAGCTGCCACACAGGCGCTTGCTGTGCTGCTGATTCGATCCGGAGAATAC	1055
Db	366	CCTGAGCTGCCACACAGGCGCTTGCTGTGCTGATTCGATCCGGAGAATAC	425
OY	1056	CTGCATCATACCCACACAGCAAGGCCTGAAAGTACATGGAGGGAG	1104
Db	426	CTGCATCATACCCACACAGCAAGGCCTGAAAGTACATGGAGGGAG	474

Search completed: September 10, 2005, 22:44:29
Job time : 1108 secs